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A Study on the Feasibility of Creating a Web-Accessible Marine Mammal Sound Library Based upon the Collections at the Woods Hole Oceanographic Institution

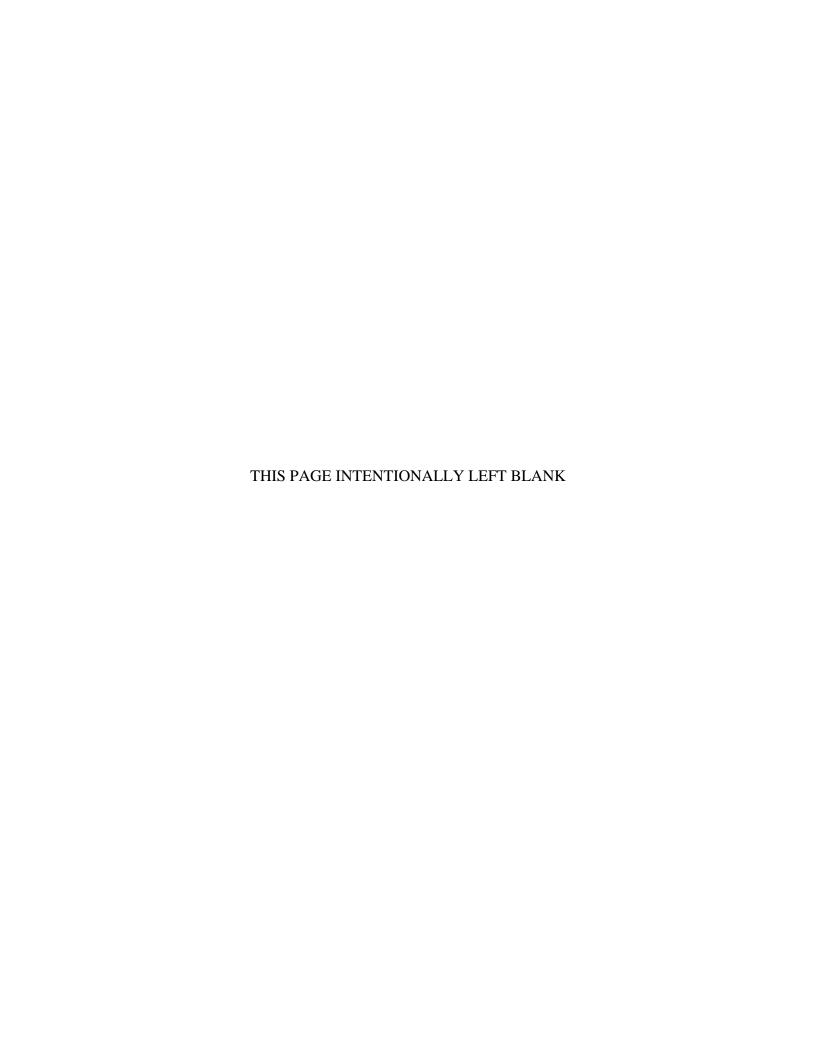
by

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September 2008

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13. ABSTRACT (maximum 200 words)

A universally accessible web-based marine mammal call library using the recordings collected over the years by William Schevill and William Watkins creates an opportunity for scientific studies requiring dependable reference datasets of sounds produced by a species in a defined geographic region during specific seasons. The Woods Hole Oceanographic Institution Bioacoustics Lab, begun in the 1950s under the direction of Schevill and Watkins, possesses approximately 2000 analog recordings of more than 90 species of marine animals. Metadata, organized and stored in stand-alone PCs, already exists for each of these recordings. In addition, these recordings are backed up by a reference library of more than 9000 selected marine animal papers (Watkins *et al.* 1990).

This study presents an assessment of the contents of this marine mammal acoustic collection, recommendations for species-specific reference datasets, and potential architecture and costs for a web-based library.

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Project Overview

This project was divided into two tasks, the first being a study to determine the possibility of creating a universally web-accessible call library using the William A. Watkins/William E. Schevill marine mammal acoustic data collection housed at the Woods Hole Oceanographic Institution. This first task included reviewing the recordings and compiling a list of recordings by species, noting the geographic location, time of year and quality (SNR) for each recording and author of each recording, with an ultimate goal being the creation of vetted acoustic datasets of selected species of marine mammals that would serve as reference datasets for researchers. The second task was a review of the ten years of North Pacific Ocean SOSUS data collected by W. Watkins and the sonobuoy marine mammal call detection data collected by K. Stafford and others. We were tasked to evaluate and correlate marine mammal vocalizations that may have been recorded on each of these systems in the same geographic region.

The findings for Task 2 will be addressed in a separate final report and delivered at a later date. The present document is the final report for Task 1. In more detail, Task 1 and its milestones were as follows:

Task 1:

A. Initiate a review of the Watkins library of marine mammal recordings. Confirm that all analog recordings have been digitized at a sample rate of 192 kHz and copied onto duplicate DVDs. Confirm that all associated metadata have been properly entered into a searchable PC database.

Milestone: First complete inventory of the Watkins digitized marine mammal sound library and associated metadata. (Appendix 1)

B. Review the recordings and compile a list of recordings by species, noting the geographic location, time of year and quality (SNR) for each recording. Contact all recordists whose material is included in the Watkins sound library and request permission to include their material in a web-accessible archive.

Milestone: A list of digitized recordings arranged by species with a notation of SNR for each recording. (Appendix 2)

C. Prepare a preliminary report on the findings of **Task 1 A** and **B**, identifying potential recordings for inclusion into web-based reference datasets.

Milestone: The first detailed catalog of the recordings of marine mammal vocalizations contained in the Watkins library. (Appendix 3)

D. Identify and review web-accessible archives of marine mammal sounds. Assess web page formats including choices of displaying metadata.

Milestone: Assessment of state-of-the-art web-accessible sound libraries. (Appendix 4)

E. Prepare a final report on the content and quality of recordings of the Watkins marine mammal sound library. Discuss the feasibility of creating a universally accessible web-based archive. Include preliminary cost estimates for creating and maintaining a web-based archive.

Milestone: Documentation on the findings of this work including the potential contribution of a universally web-accessible Watkins digital tape library. (Appendix 5)

Appendices for Final Report submitted pursuant to award number N00244-07-1-0014

Appendix 1: First complete inventory of the Watkins digitized marine mammal sound library and associated metadata.

Milestone: October 2007

An initial review of the Watkins library of marine mammal recordings has been completed. Recordings of approximately 70 species of marine mammals are stored in the Woods Hole Oceanographic library. Table A1-1 is a list of species in the library. The recordings cover the years from the 1930s to the early 2000s. The recordings range from 1-4 channels. The recorded bandwidth ranged from 0 to nearly 100 kHz. To date, approximately 500 analog recordings have been digitized at a sample rate of 192 kHz. The metadata for each recording are organized in a searchable PC database. The fields comprising the metadata for each recording are listed in Table A1-2.

<u>Table A1-1.</u> List of species recordings in the Watkins Sound Library in Woods Hole

| Arctocephalus | Philippii |
|-----------------|---------------|
| Arctocephalus | Townsendii |
| Balaena | Mysticetus |
| Balaenoptera | Acutorostrata |
| Balaenoptera | borealis |
| Balaenoptera | edeni |
| Balaenoptera | musculus |
| Balaenoptera | physalus |
| Callorhinus | ursinus |
| Caperea | Marginata |
| Cephalorhynchus | commersonii |
| Cephalorhynchus | heavisidii |
| Cystophora | Cristata |
| Delphinapterus | leucas |
| Delphinus | bairdii |
| Delphinus | capensis |
| Delphinus | delphis |
| Enhydra | lutris |
| Erignathus | barbatus |

| Eschrichtius | Robustus |
|----------------|---------------|
| Eubalaena | Australis |
| Eubalaena | Glacialis |
| Eumetopia | Jubatus |
| Globicephala | Melaena |
| Globicephala | Macrorhynchus |
| Globicephala | Scammoni |
| Grampus | Griseus |
| Halichoerus | Grypus |
| Hydrurga | Leptonyx |
| Inia | Geoffrensis |
| Lagenodelphis | Hosei |
| Lagenorhynchus | Australis |
| Lagenorhynchus | Obscurus |
| Lagenorhynchus | Acutus |
| Lagenorhynchus | Obliquidens |
| Leptonychotes | Weddelli |
| Lobodon | Carcinophagus |
| Megaptera | Novaeangliae |
| | |

| Mirounga | angustirostris |
|---------------|----------------|
| Monodon | monoceros |
| Mustelidae | |
| Neophoca | Cinerea |
| Neophocaena | phocaenoides |
| Odobenus | rosmarus |
| Ommatophoca | rossi |
| Orcinus | Orca |
| Otaria | flavescens |
| Peponocephala | Electra |
| Phoca | Fasciata |
| Phoca | Groenlandica |
| Phoca | Hispida |
| Phoca | Largha |
| Phoca | Vitulina |
| Phocoena | phocoena |

| Phocoenoides | Dalli |
|--------------|---------------|
| Physeter | Catodon |
| Pseudorca | Crassidens |
| Sotalia | Borneensis |
| Stenella | Attenuate |
| Stenella | Coeruleoalba |
| Stenella | Frontalis |
| Stenella | Longirostris |
| Steno | Bredanensis |
| Trichechus | Manatus |
| Tursiops | Catalania |
| Tursiops | Truncatus |
| Zalophus | Californianus |
| Ziphius | Cavirostris |

Table A1-2. Metadata Fields

Field Name Description

Pagerd Number Tape retrieval number

| Record Number | Tape retrieval number |
|--------------------------------|---|
| Cue or Time at tape end | Cue or time on tape (sec) |
| Number of Channels | Number of channels recorded |
| Identification of vocal animal | ID of animal vocalizing |
| Age | Age, sex of vocalizing animal |
| Behavioral Interaction | Behavioral activity of animal |
| Genus Species | Genus/species of vocalizing animal |
| Geographic Location A | ASFIS code (ex. ANW = Atlantic NW) |
| Observation Date | Date of recording |
| Notes | Details on recording observations |
| Other Species | Other species present during recording |
| Number of Animals | Number of animals vocalizing |
| Geographic Location B | Place name of recording site (ex. Key |
| | West, FL) |
| Geographic Location C | Latitude and longitude of recording Start |
| Observation Time | Time of recording (local time) |
| Ship Name | Name of recording platform |
| Author of Recording | Recordist |
| Location of Original Tape | Physical storage location of tape |
| Hydrophone Depth | Depth of hydrophone (m) |
| Recording Conditions | Sea state, weather, wind, etc |
| Recording Gear | Equipment (ex. Pemtec tape recorder) |
| Signal Level | Signal level (db receiving or source) |
| Signal Type | Clicks, whistles, burst pulse, etc |

Appendix 2: Review the recordings and compile a list of digitized recordings by species, noting the geographic location, time of year and quality (SNR) for each recording.

Milestone: A list of digitized recordings arranged by species with a notation of SNR for each recording.

Note: Analog recordings not yet digitized are not included in this list.

| Record Number | Species | Date of Recording | Location | Lat | Long | # CH | Dur. | S/N 1-10 | Comments |
|------------------|---------|----------------------|--|-----|------|---------|-----------|-------------|--|
| 57001 | Ambient | 1/21/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 08:08.5 | 6 | Noise Calibration and ambient recording. |
| 57004 | Ambient | 1/30/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 05:13.3 | 5 | Noise Calibration and ambient recording. Fishing vessels nearby during Lucas Shoal recording. Engine noise loud. |
| 57003 | Ambient | 1/30/1957 | Lucas Shoal, Vineyard Sound, MA; Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 07:44.5 | 5 | Noise Calibration and ambient recording at both locations. Recorded in 54 ft. of water at Dogfish Bar - a seal is onshore about 60 yds away. Fishing vessels nearby. |
| 57005 | Ambient | 2/5/1957 | Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 07:14.5 | 3 | Noise Calibration and ambient recording. Poor recording. |
| 57006 | Ambient | 2/5/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 07:35.0 | 5 | Noise Calibration and ambient recording. Fishing vessels nearby. Engine noise loud. |
| 57009 | Ambient | 2/25/1957 | Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 08:07.0 | 6 | Noise Calibration and ambient recording. Fishing vessel nearby. Good recording. |
| 57007 | Ambient | 2/25/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 08:21.914 | 6 | Noise Calibration and ambient recording. Good recording. |
| 57008 | Ambient | 2/25/1957 | Quicks Hole, Vineyard Sound, MA | N41 | W071 | 1 | 07:53.8 | 5 | Noise Calibration and ambient recording. Average recording. |
| 57011 | Ambient | 4/15/1957 | Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 06:33.2 | 3 | Noise Calibration and ambient recording. Poor recording. |

| 57012 | Ambient | 4/15/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 05:29.7 | 4 | Noise Calibration and ambient recording. Poor recording. |
|-------|--|---------------------------------------|--|-----|------|---|-----------|---|--|
| 57014 | Ambient | 4/16/1957 | Dogfish Bar, Vineyard Sound, MA; Quick's Hole, Vineyard Sound, MA | N41 | W071 | 1 | 08:00.4 | 6 | Noise Calibration and ambient recording. Ok recording. Some phone bumping. |
| 57013 | Ambient | 4/16/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 08:04.6 | 5 | Noise Calibration and ambient recording. Ok recording. Much phone bumping. |
| 57015 | Ambient | 4/16/1957 | Quick's Hole, Vineyard Sound, MA | N41 | W071 | 1 | 08:05.0 | 6 | Ambient recording. |
| 57016 | Ambient | 5/14/1957 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 07:49.7 | 6 | Noise Calibration and ambient recording. Ok recording. |
| 57017 | Ambient | 5/14/1957 | Quick's Hole, Vineyard Sound, MA | N41 | W071 | 1 | 06:44.0 | 6 | Noise Calibration and ambient recording. Ok recording. |
| 60010 | Ambient | 11/1/1960 | Atlantic Ocean | N38 | W067 | 2 | 13:17.856 | 5 | Nighttime ambient recording. Ch1 is data, ch2 is voice.Good recording. |
| 57002 | Ambient | 1/21/1957, 1/29/1957, 1/30/1957 | Lucas Shoal, Vineyard Sound, MA; Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 07:56.9 | 5 | Noise Calibration and ambient recording. |
| 52071 | Ambient; Crustacea snapping shrimp | 4/12/1952 | St. Augustine, FL | N30 | W081 | 1 | 32:15.1 | 2 | Overloaded recording. High ambient of snapping shrimp. Few if any Tursiops sounds. |
| 52072 | Ambient; Crustacea snapping shrimp | 4/13/1952 | St. Augustine, FL | N30 | W081 | 1 | 16:21.2 | 3 | High ambient of snapping shrimp. Few if any Tursiops sounds.Generator is loud. |
| 52038 | Crustacea snapping shrimp, Ambient | 4/13/1952 | 2 mi. E of St Georges, Bermuda | N32 | W064 | 1 | 08:08.5 | 5 | Ambient of ship creaks, water splashes, phone bumps. Snapping shrimp recording. |
| 52025 | Megaptera novaeangliae | 4/13/1952 | 9 mi SE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:22.9 | 6 | Faint moans. Low ambient. Good recording. |
| 51019 | Ambient | 3/23/1951 | 12 miles off St. Augustine, FL | N30 | W080 | 1 | 08:08.2 | 2 | Overload of voice. Engine noise throughout recording. Tanker passed by. Cable squeaks |
| 51038 | Ambient | 4/4/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 16:11.4 | | no comments |

| 52006 | Ambient | 4/9/1952 | 8 mi off south coast of | N32 | W064 | 1 | 08:09.3 | 5 | Ambient recording. Good recording. |
|-------|---------|------------|--|---------|---------|---|---------|---|--|
| 50000 | | 4/40/4050 | Bermuda | NOO | 144004 | | 00.40.4 | _ | |
| 52009 | Ambient | 4/10/1952 | S of Bermuda | N32 | W064 | 1 | 08:10.4 | 5 | Ambient recording. Good recording. |
| 52074 | Ambient | 4/12/1952 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 32:38.2 | 2 | High ambient of tank noise |
| 53012 | Ambient | 1/15/1953 | Key West, FL | N24 | W081 | 1 | 14:37.0 | 1 | Voice and data overloaded. |
| 53003 | Ambient | 6/4/1953 | Nonamesset Island Pond, MA | N41 | W070 | 2 | 16:07.4 | 2 | overloaded voice, etc |
| 53004 | Ambient | 6/4/1953 | Nonamesset Island Pond, MA | N41 | W070 | 2 | 09:19.8 | 1 | overloaded voice, etc |
| 53005 | Ambient | 6/4/1953 | Nonamesset Island Pond, MA | N41 | W070 | 2 | 10:11.3 | 1 | overloaded voice, etc |
| 53001 | Ambient | 6/11/1953 | W. N. Atlantic | unknown | unknown | 2 | 10:55.4 | 3 | No voice; Echosounder? |
| 54039 | Ambient | 1/12/1954 | WNA | unknown | unknown | 2 | 13:04.3 | 5 | Scattering layer shots, ,63-68 |
| 55104 | Ambient | 3/10/1955 | Great Harbor, Woods Hole, MA | N40 | W070 | 1 | 07:56.4 | 5 | Recording of shaft whine of the whaleboat Grampus |
| 55105 | Ambient | 3/24/1955 | Great Harbor, Woods Hole, MA | N40 | W070 | 1 | 07:57.7 | 5 | Recording of whale boat Grampus whine at 600 RPM |
| 55108 | Ambient | 3/31/1955 | Great Harbor, Woods Hole, MA | N40 | W070 | 1 | 07:29.3 | 5 | Recordings of whale boat Grampus - prop trials. Includes steamer to Vineyard |
| 55110 | Ambient | 3/31/1955 | Great Harbor, Woods Hole, MA | N40 | W070 | 1 | 08:18.0 | 5 | Recording during prop trials on whale boat Grampus |
| 55028 | Ambient | 8/17/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 06:47.9 | 5 | Ambient Reel 28 |
| 55096 | Ambient | 10/10/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:12.1 | 5 | Hearing and echolocation observations. Ambient of water in pond. Reel 96 |
| 56067 | Ambient | 2/27/1956 | Bellingshausen Sea | S66 | W073 | 1 | 15:06.3 | 5 | Cetacean-like sounds in the background. Ambient is high. |
| 56020 | Ambient | 4/4/1956 | Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 16:11.7 | 5 | Ambient only. No rt whale sounds detected. Good recording of ambient. |
| 56022 | Ambient | 4/5/1956 | Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 16:20.8 | 5 | Ambient only. No rt whale sounds detected. Good recording of ambient. |
| 56023 | Ambient | 4/5/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 16:19.7 | 5 | Ambient only. No rt whale sounds detected. Good recording of ambient. |
| 56062 | Ambient | 9/4/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 03:37.2 | | Prop trials 18 x 14.5 after treatment. 1477 |
| 56053 | Ambient | 12/19/1956 | 4-5 miles off Pasque Isle, Vineyard Sound, MA | N41 | W071 | 1 | 08:23.4 | 2 | High ambient. Very poor, much extraneous noise. Badly overloaded |

| 56064 | Ambient | 12/26/1956 | Dogfish Bar, Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 08:15.5 | 5 | Ambient Station #2, Dogfish bar, 1st reel depth = 17m. Recording level very low. |
|-------|---------|------------|--|-----|------|---|---------|---|---|
| 56065 | Ambient | 12/26/1956 | Dogfish Bar, Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 08:55.7 | 5 | Station #2, 3rd reel. Dogfish bar - depth = 17m. Recording level very low. |
| 56063 | Ambient | 12/26/1956 | Lucas Shoal, Vineyard Sound, MA | N41 | W071 | 1 | 08:23.7 | 5 | 90 ft. of water, Station #1. Ambient recording. |
| 57030 | Ambient | 12/14/1957 | Cape Porpoise, Maine | N43 | W070 | 1 | 14:51.4 | 5 | Reel 1. Low ambient. Low level recording. Some electrical noise in middle of recording. |
| 57031 | Ambient | 12/15/1957 | Cape Porpoise, Maine | N43 | W070 | 1 | 02:36.8 | 5 | Low ambient. Water splashes throughout recording. |
| 58024 | Ambient | 6/3/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:00.9 | 5 | Some trawler noise in the 1st half. |
| 58025 | Ambient | 6/3/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 31:58.8 | 5 | Quiet ambient |
| 58026 | Ambient | 6/3/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:14.0 | 5 | Quiet ambient |
| 58028 | Ambient | 6/3/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:04.3 | 5 | Quiet ambient |
| 58027 | Ambient | 6/4/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:18.5 | 5 | Quiet ambient |
| 58029 | Ambient | 6/4/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 15:59.9 | 5 | Ambient |
| 58030 | Ambient | 6/4/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:23.1 | 5 | Ambient |
| 58031 | Ambient | 6/4/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 15:10.4 | 3 | Ambient |
| 58032 | Ambient | 6/5/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:04.7 | 5 | Ambient |
| 58019 | Ambient | 10/9/1958 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 08:13.6 | 9 | Quiet ambient |

| 58033 | Ambient | 11/5/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 32:12.5 | 5 | Ambient |
|-------|---------|------------|---|-----|------|---|-----------|---|--|
| 58034 | Ambient | 11/5/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 29:28.5 | 5 | Ambient |
| 58035 | Ambient | 11/7/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 27:44.6 | 5 | Ambient |
| 59041 | Ambient | 2/28/1959 | Cape Porpoise, ME | N43 | W070 | 2 | 31:19.412 | 5 | Data on Ch2 and voice on Ch1. Low ambient. Good recording of ambient. |
| 59042 | Ambient | 3/1/1959 | Cape Porpoise, ME | N43 | W070 | 2 | 31:45.580 | 5 | Data on Ch2 and Ch1; voice also on Ch1. Moderate ambient of ship creaks and water splashes. Good recording of ambient. |
| 59043 | Ambient | 3/2/1959 | Cape Porpoise, ME | N43 | W070 | 2 | 32:19.499 | 5 | Data on Ch1 and Ch 2; voice also on Ch1.Moderate ambient of ship creaks and water splashes. Good recording of ambient |
| 59044 | Ambient | 3/2/1959 | Cape Porpoise, ME | N43 | W070 | 2 | 26:43.698 | 5 | Data on Ch1 and Ch 2; voice also on Ch1.Moderate ambient of ship creaks and water splashes. Good recording of ambient |
| 59045 | Ambient | 3/3/1959 | Cape Porpoise, ME | N43 | W070 | 2 | 13:37.288 | 5 | Data on Ch1 and Ch 2; voice also on Ch1.Moderate ambient of ship creaks and water splashes. Good recording of ambient |
| 59031 | Ambient | 7/30/1959 | Off PA near Hendrickson Canyon | N38 | W073 | 2 | 15:58.3 | 5 | Data on Ch1 and voice on Ch2. Low ambient. Good recording of ambient. |
| 59035 | Ambient | 8/25/1959 | Off Martha's Vineyard S of Nomans Island, MA | N41 | W071 | 2 | 08:15.175 | 5 | Voice on Ch1 and data on Ch 2. Moderate ambient of water splashes and ship engines from passing boats. |
| 60001 | Ambient | 2/24/1960 | WHOI dock, Woods Hole, MA | N41 | W070 | 1 | 4:39.036 | 5 | High ambient recording of ship engine noise from the steamships Nantucket and Islander. |
| 60017 | Ambient | 10/24/1960 | Mid-Atlantic Ocean | N36 | W030 | 2 | 15:45.377 | 5 | Ambient recording. Unidentified mammals in area. Phone bumps and water splashes. Ch1 signal; Ch2 voice |
| 60018 | Ambient | 10/26/1960 | Mid-Atlantic Ocean | N37 | W038 | 2 | 17:26.091 | 4 | Ambient recording. Ship engine noise. Ch1. cutting out on occasion. Unidentified mammals in area.Ch1 signal; Ch2 voice |

| 60020 | Ambient | 10/29/1960 | Mid-Atlantic Ocean | unknown | unknown | 2 | 12:32.991 | 3 | Ambient recording. Ch1 signal; Ch2 voice. Ship engine noise. Ch1 signal cutting out occassionally. Calibration towards end of recording. |
|-------|---------|------------|---|---------|---------|---|-----------|---|--|
| 60021 | Ambient | 11/2/1960 | Mid-Atlantic Ocean | N36 | W066 | 2 | 12:47.416 | 5 | Ambient recording. Very quiet. Ch1 signal; Ch2 voice. |
| 61001 | Ambient | 3/28/1961 | Menemsha Bight, Martha's Vineyard, MA | N41 | W070 | 1 | 06:28.7 | 8 | Ambient; rt. whale in area |
| 61002 | Ambient | 3/28/1961 | Menemsha Bight, Martha's Vineyard, MA | N41 | W070 | 1 | 08:00.2 | 9 | Ambient; rt. whale in area |
| 61003 | Ambient | 3/29/1961 | Menemsha Bight, Martha's Vineyard, MA | N41 | W070 | 1 | 08:11.2 | 8 | Ambient; rt. whale in area |
| 61034 | Ambient | 9/6/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W071 | 1 | 08:07.1 | 5 | Grampus boat noise as it passes phone. |
| 61035 | Ambient | 9/6/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W071 | 1 | 16:13.2 | 5 | Grampus boat noise as it passes phone. |
| 61036 | Ambient | 9/6/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W071 | 1 | 08:19.2 | 5 | Grampus boat noise as it passes phone. |
| 61037 | Ambient | 9/11/1961 | Hadley's Harbor, Woods Hole, MA | N42 | W070 | 2 | 16:20.9 | 5 | Grampus boat noise as it passes phone. |
| 61038 | Ambient | 9/12/1961 | Hadley's Harbor, Woods Hole, MA | N42 | W070 | 2 | 16:06.4 | 5 | Grampus boat noise as it passes phone. |
| 61044 | Ambient | 9/12/1961 | N end of Stellwagen Bank, MA | N42 | W070 | 2 | 16:17.5 | 5 | Low ambient. |
| 61045 | Ambient | 9/12/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:39.6 | 5 | Low ambient. |
| 61046 | Ambient | 9/13/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:36.2 | 5 | Low ambient. |
| 61076 | Ambient | 9/29/1961 | S of Georges Basin, MA | N42 | W067 | 2 | 33:36.9 | 5 | High ambient recording. Engine noise throughout. |
| 61070 | Ambient | 9/29/1961 | Stellwagen Bank, MA | N42 | W069 | 2 | 31:51.2 | 5 | Noise calibrations and low ambient |
| 61071 | Ambient | 9/29/1961 | Stellwagen Bank, MA | N42 | W069 | 2 | 15:16.1 | 5 | Noise calibrations and low ambient |
| 61078 | Ambient | 10/1/1961 | Cultivator Shoal, MA | N42 | W069 | 2 | 33:37.8 | 5 | Ambient. Engine noise throughout. |
| 62021 | Ambient | 6/8/1962 | Beluga weir, St. Lawrence River | N47 | W065 | 2 | 05:30.3 | 5 | Ambient. |
| 62030 | Ambient | 9/13/1962 | SE of Baccaro Bank S of Nova Scotia | N42 | W067 | 2 | 16:18.5 | 5 | Ambient with nearby ship engines and water noise. |

| 64107 | Ambient | 12/5/1964 | Pinchgut Bay, New Zealand | S45 | E167 | 2 | 08:11.6 | 5 | Ambient. |
|-------|---|----------------------------|--|---------|---------|---|-----------|---|---|
| 64108 | Ambient | 12/5/1964 | Port William, Steward Island, New Zealand | S45 | E167 | 2 | 08:15.5 | 5 | Ambient. |
| 64110 | Ambient | 12/8/1964 | North of Wood Head, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:13.5 | 5 | Ambient. |
| 64112 | Ambient | 12/8/1964 | North of Wood Head, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:13.2 | 5 | Ambient. |
| 64133 | Ambient | 12/17/1964 | Cook Strait, New Zealand | S45 | E167 | 2 | 08:31.5 | 5 | Ambient recording. Snapping shrimp, phone bumps. |
| 64134 | Ambient | 12/17/1964 | Whekenui Bay, New Zealand | S45 | E167 | 2 | 08:10.0 | 5 | Ambient recording. Snapping shrimp, phone bumps. |
| 64135 | Ambient | 12/19/1964 | Island Bay, Wellington, New Zealand | S45 | E167 | 2 | 08:13.2 | 5 | Ambient recording. Snapping shrimp, phone bumps. |
| 65013 | Ambient | 10/26/1965 | North Pacific Ocean | N36 | W122 | 2 | 8:25.0 | 5 | Ambient recording. |
| 57032 | Ambient | //1957 | Fletcher's Neck Lifeboat Station, Biddeford, ME | N43 | W070 | 1 | 10:00.0 | 6 | Reel 8. Ambient recording. Asterias nearby. Low ambient. Good recording. |
| 60016 | Ambient | 10/19/1960 - 10/20/1960 | Mid-Atlantic Ocean | N48 | W014 | 2 | 17:00.000 | | |
| 60019 | Ambient | 10/27/1960 - 10/28/1960 | Mid-Atlantic Ocean | unknown | unknown | 2 | 15:45.956 | 3 | Ambient recording. Ship engine noise. Ch1. cutting out frequently. Ch1 signal; Ch2 voice |
| 56021 | Ambient | 4/4/1956 - 4/5/1956 | Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 16:02.3 | 5 | Ambient only. No rt whale sounds detected. Good recording of ambient. |
| 56024 | Ambient | 4/5/1956 - 4/6/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 16:06.6 | 5 | Ambient only. No rt whale sounds detected. Good recording of ambient. |
| 56011 | Ambient | 4/5/1956 | Marineland of the Pacific Aquarium, San Diego, CA | N33 | W117 | 1 | 08:11.2 | 4 | Gain is too high. Ambient is high. Ambient recording of a mix of species in the Marineland aquarium |
| 61061 | Ambient | 9/14/1961 | E of Cape Cod, MA | N42 | W070 | 2 | 17:34.5 | 5 | Ambient with ship engines and water noise. |
| 53013 | Ambient | 6//1953 | W.N.Atlantic | unknown | unknown | 1 | 08:45.0 | 1 | Be-63 engine noise |
| 56029 | Ambient Quicks Hole Whistler Buoy | 4/12/1956 | Quicks Hole Buoy, Ma | N41 | W070 | 1 | 15:43.3 | 6 | Ambient recording of buoy. Rerecording of 56012. Good recording. |

| 62010 | Ambient, Aves | 6/4/1962 | Weepecket Island, MA | N42 | W070 | 2 | 08:08.5 | 5 | Ambient |
|-------|--|-----------|--|-----|------|---|-----------|----|---|
| 61052 | Ambient, Balaenoptera physalus | 9/13/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:27.2 | 9 | Low ambient; some finback sounds. Good recording. |
| 61054 | Ambient, Balaenoptera physalus | 9/13/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:39.3 | 5 | Moderate ambient. Finback sounds. Ship engine noise. |
| 61055 | Ambient, Balaenoptera physalus | 9/14/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 33:29.9 | 7 | Moderate ambient. Finback sounds. Ship engine noise. good recording. |
| 61067 | Ambient, Balaenoptera physalus | 9/28/1961 | Stellwagen Bank, MA | N42 | W069 | 2 | 31:53.7 | 10 | Finbacks with low ambient. Good recording. |
| 61068 | Ambient, Balaenoptera physalus | 9/29/1961 | Stellwagen Bank, MA | N42 | W069 | 2 | 31:51.8 | 5 | Noise calibrations; low ambient and finback calls. |
| 61073 | Ambient, Balaenoptera physalus | 9/30/1961 | S of Georges Basin, MA | N42 | W067 | 2 | 31:52.3 | 8 | Noise calibrations. Low ambient. Low level finback calls. Good recording. |
| 62003 | Ambient, Balaenoptera physalus | 5/10/1962 | Nauset Buoy, MA | N41 | W070 | 2 | 16:30.7 | 5 | Ambient; distant rt. whale calls; fin calls. |
| 70002 | Ambient, Balaenoptera physalus | 4/12/1970 | Race Point, Provincetown, MA | N42 | W070 | 4 | 16:03.0 | 5 | Ambient only. |
| 77003 | Ambient, Balaenoptera physalus; Megaptera novaeangliae | 4/20/1977 | Stellwagen Bank | N42 | W070 | 4 | 26:59.3 | 5 | No obvious sounds. Low ambient in first 2/3 of recording. Last third has lots of ship engine noise. |
| 59038 | Ambient, Erignathus barbatus | //1959 | Fletcher's Ice Island T-3 near Banks Island, Beaufort Sea | N73 | W121 | 1 | 13:59.056 | 5 | High ambient of wind and ship noise. Ok recording. |
| 62001 | Ambient, Eubalaena glacialis | 1/26/1962 | Cape Cod Bay, MA | N40 | W070 | 1 | 03:36.5 | 5 | Ambient |
| 70009 | Ambient, Eubalaena glacialis, Lagenorhynchus albirostris | 4/13/1970 | Race Point, Provincetown, MA | N42 | W070 | 4 | 16:02.7 | 5 | Ambient recording with much ship noise. |

| 61031 | Ambient, Fish, sensu lato, Stenella. frontalis, Tursiops truncatus | 8/31/1961 | Marineland of Florida, St. Augustine, FL | N30 | W081 | 1 | 32:40.6 | 9 | Compilation tape with many examples of cetacean sounds |
|---------------|---|--------------------------|--|-----|------|---|-----------|----|--|
| 62002 | Ambient, Lagenorhynchus albirostris, Phocoena phocoena | 5/8/1962 | Provincetown, MA | N41 | W070 | 2 | 16:19.1 | 5 | Ambient |
| 52050 | Ambient, Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 32:34.6 | 5 | High ambient of ship creaks, water splashes, phone bumps. |
| 61069 | Ambient, Megaptera novaeangliae | 9/29/1961 | Stellwagen Bank, MA | N42 | W069 | 2 | 31:49.1 | 5 | Noise calibrations and low ambient |
| 61033 | Ambient, Opsanus tau | 9/6/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W071 | 1 | 08:04.8 | 9 | Good recording. |
| 59018 | Ambient, Physeter catodon | 7/26/1959 - 7/27/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 16:14.4 | 6 | Data on Ch1and voice on Ch2. Moderate ambient caused by a nearby ship. Some Physeter clicking throughout recording. |
| 64119 | Ambient; Amphibia | 12/9/1964 | Bligh Sound, New Zealand | S45 | E167 | 2 | 08:18.2 | 4 | First half of tape has loud ambient of wind, water and ship noise. Second half is of frogs in a pond. |
| 61040 | Ambient; Balaenoptera physalus | 9/12/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:16.4 | 9 | Very low ambient. Finback sounds throughout recording. Good recording. |
| 61047 | Ambient; Balaenoptera physalus | 9/13/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:39.3 | 9 | Low ambient; some finback sounds. Good recording. |
| 61063 | Ambient; Balaenoptera physalus | 9/27/1961 | S of Stellwagen Bank, MA | N42 | W070 | 2 | 32:59.8 | 10 | Very low ambient recording; some balaenopterid calls. Good recording. |
| 61063 copy | Ambient; Balaenoptera physalus | 9/27/1961 | S of Stellwagen Bank, MA | N42 | W070 | 1 | 30:19.5 | 10 | Very low ambient recording; some balaenopterid calls. Good recording. |
| 59039 | Ambient; Balaenoptera physalus | 3/3/1959 | Fletchers Neck Lifeboat Station, ME | N43 | W070 | 2 | 30:19.132 | 6 | Data on Ch1 and Ch 2. Good recording. Moderate ambient of water noise. |
| 52070 | Ambient; Crustacea snapping shrimp | 4/12/1952 | St. Augustine, FL | N30 | W081 | 1 | 32:12.9 | 4 | |

| 51051 | Ambient; Fish, sensu lato; Physeter catodon | 11/12/1951 | Edge of continental shelf 90 mi. S of Rhode Island | N41 | W071 | 1 | 11:56.8 | 5 | Recorded using a slowly descending hydrophone. Sounds id'd on tape as hammering fish. OK recording. Ship creaks throughout.Moderate level of ambient. |
|-------|---|------------------------|---|---------|---------|---|-----------|---|---|
| 59016 | Ambient; Grampus griseus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 16:03.8 | 5 | Data and voice on CH1. High ambient of electrical noise. Some Grampus in latter half of recording. |
| 59017 | Ambient; Grampus griseus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 16:36.5 | 5 | Data and voice on CH1. Low ambient. Some Grampus in very beginning of recording. |
| 59015 | Ambient; Grampus griseus; Tursiops truncatus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 16:20.9 | 3 | Data and voice on CH1. Recorder speed problems. High ambient of electrical noise. Poor recording. |
| 64003 | Ambient; Ice | 4//1963 | Point Barrow, AK | N71 | W157 | 1 | 24:15.8 | 5 | Arctic ambient ice and animal sounds Good recording. |
| 55102 | Ambient; Leptonychotes weddelli | 1//1955 | Antarctic Ocean | unknown | unknown | 1 | 09:26.9 | | Dub (made 16 May 1956) of disk recorded by Hector Whaling Co. |
| 53008 | Ambient; Megaptera novaeangliae | 4/30/1953 | Sofar Station, Bermuda | N32 | W064 | 1 | 32:59.8 | 3 | Phone at 60 ft down; Voice overloaded and moans are overloaded; Whales are visible. Much reverb. |
| 60024 | Amphibia; Fish, sensu lato; Insecta | //1960 | Various | unknown | unknown | 1 | 24:02.884 | 7 | Low ambient recording. Demonstration record that accompanied Proc. of the Symposium on Animal Sounds and Communications. Good recording. |
| 58020 | Anchoa choerostoma | 8/7/1958 - 8/8/1958 | Bailey's Bay, Bermuda | N32 | W064 | 1 | 07:48.4 | 8 | Good recording |
| 64058 | Aptenodytes forsteri | 11/22/1964 | Cape Crozier, Antarctica | S77 | E170 | 1 | 16:05.4 | 8 | Good recording. Quiet ambient. |
| 64143 | Aves | 11/22/1964 | Cape Crozier, Antarctica | S77 | E169 | 1 | 16:20.2 | 9 | Emperor penguins recorded at their colony. Quiet ambient. Good recording. |
| 64131 | Aves | 12/15/1964 | New Zealand | S45 | E167 | 2 | 08:11.2 | 5 | Quiet recording. |
| 64132 | Aves | 12/16/1964 | New Zealand | S45 | E167 | 2 | 08:10.9 | 9 | Quiet recording. Two types of calls recorded. Good recording. |
| 60025 | Aves | //1960 | Various | unknown | unknown | 1 | 18:04.921 | 7 | Birds recorded by Borror, Lanyon, and Marler. Chickens recorded by Collias. |
| 63031 | Aves | //1963 | Sweden | N60 | E015 | 2 | 14:49.3 | 5 | Boat engine noise and birds. |
| 55114 | Aves Whip- poor-will | 6/6/1955 | Concord, MA | unknown | unknown | 1 | 01:08.1 | 8 | Whip-poor-will. Good recording. |
| 64002 | Aves (Mockingbird) | //1963 | Durham, North Carolina | N36 | W079 | 1 | 08:13.6 | 7 | Mockingbird. Good recording. |

| 63022 | B. musculus, B. physalus, Globicephala scammoni, M. novaeangliae, P. catodon | //1963 | Various | unknown | unknown | 1 | 09:34.6 | 8 | Comp. tape made by the Smithsonian of USN ASW recordings based in SD, CA. Good recordings. Bit overloaded at times. |
|-------|--|---------|---------|---------|---------|---|---------|---|---|
| 62033 | B. physalus, D. leucas, Delphinus bairdii, Delphinus delphis, Eubalaena glacialis, Globicephala macrorhynchus, Globicephala melaena, Globicephala scammoni, Grampus griseus, Inia geoffrensis, Lagenorhynchus acutus, Lagenorhynchus albirostris, M. novaeangliae, P. catodon, Pseudorca crassidens, S. frontalis, S. coeruleoalba, T. truncatus | 8//1962 | Various | unknown | unknown | 1 | 22:25.1 | 8 | Muddy voice. Animal sounds are ok. |

| 62034 | B. physalus, D. leucas, Delphinus | | Various | unknown | unknown | 1 | 10:19.9 | 8 | Animal sounds only. No voice. |
|---------------|---|------------|--------------------------------|---------|---|---|---------|---|--|
| | bairdii, | | | | | | | | |
| | Delphinus delphis, | | | | | | | | |
| | Eubalaena | | | | | | | | |
| | glacialis, | | | | | | | | |
| | Globicephala | | | | | | | | |
| | macrorhynchus, Globicephala | | | | | | | | |
| | melaena, | | | | | | | | |
| | Globicephala | | | | | | | | |
| | scammoni, | | | | | | | | |
| | Grampus griseus, Inia | | | | | | | | |
| | geoffrensis, | | | | | | | | |
| | Lagenorhynchus | | | | | | | | |
| | acutus, | | | | | | | | |
| | Lagenorhynchus albirostris, M. | | | | | | | | |
| | novaeangliae, P. | | | | | | | | |
| | catodon, | | | | | | | | |
| | Pseudorca crassidens, S. | | | | | | | | |
| | frontalis, S. | | | | | | | | |
| | coeruleoalba, T. | | | | | | | | |
| | truncatus | 0.40=4.004 | 0. " | | 14/0=0 | _ | | _ | |
| 61079 | Balaenoptera physalus | 9/27/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:47.0 | 7 | Good recording. Finback calls. Ship engine noise throughout. |
| 61084 | Balaenoptera physalus | 11/20/1961 | Halifax, N.S. | N44 | W063 | 1 | 34:18.3 | 5 | Ambient |
| 61084 | Balaenoptera | 11/20/1961 | Halifax, N.S. | N44 | W063 | 1 | 34:18.3 | 5 | Ambient |
| copy 61085 | physalus Balaenoptera | 11/20/1961 | Halifax, N.S. | N44 | W063 | 1 | 34:36.0 | 7 | Finback calls. good tape |
| 01000 | physalus | 11/20/1001 | riamax, rv.o. | | *************************************** | • | 01.00.0 | • | i ilibacit cano. goda tapo |
| 62004 | Balaenoptera | 5/10/1962 | Nauset Buoy, | N41 | W070 | 2 | 16:23.8 | 6 | Finback calls. good tape |
| 62005 | physalus Balaenoptera | 5/10/1962 | MA Pollock Rip, | N41 | W071 | 2 | 16:16.2 | 5 | Finback calls; high ambient |
| 02003 | physalus | 3/10/1902 | Woods Hole, MA | 1141 | VVO7 1 | 2 | 10.10.2 | 3 | Filiback calls, flight ambient |
| 62006 | Balaenoptera | 5/10/1962 | Pollock Rip, | N41 | W071 | 2 | 16:22.5 | 7 | Finback calls |
| | physalus | | Woods Hole, MA | | 1440=4 | _ | | _ | |
| 62007 | Balaenoptera physalus | 5/10/1962 | Pollock Rip, Woods Hole, MA | N41 | W071 | 2 | 16:17.0 | 7 | Finback calls |
| 62009 | Balaenoptera | 5/10/1962 | Stellwagen | N42 | W070 | 2 | 16:08.9 | 5 | Ambient |
| | physalus | | Bank, MA | | | | | - | |
| | | | | | | | | | |

| 61077 | Balaenoptera physalus, Megaptera novaeangliae | 10/1/1961 | Cultivator Shoal, MA | N42 | W070 | 2 | 33:36.7 | 5 | High ambient. Engine noise throughout. Very low level finback sounds. |
|-------|---|------------|------------------------------|-----|------|---|---------|---|--|
| 65018 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 8:22.4 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65019 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 8:18.7 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65020 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 9:32.3 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65021 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 8:20.3 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65022 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 7:58.5 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65023 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 1 | 8:10.9 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65026 | Balaenoptera acutorostrata | 10/29/1965 | Monterey, CA | N36 | W122 | 1 | 27:37.4 | 3 | Minke id'd in area via visual sighting. High ambient. |
| 65024 | Balaenoptera acutorostrata; Delphinus delphis; Globicephala macrorhynchus; Lagenorhynchus obliquidens | 10/29/1965 | Off Catalina Island, Ca | N33 | W113 | 2 | 31:24.0 | 3 | High ambient. |
| 65009 | Balaenoptera acutorostrata; Hydrurga leptonyx; Orcinus orca | 1/1/1965 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 41:01.9 | 3 | Commentary by Kooyman. Tape recording is overloaded. |
| 64102 | Balaenoptera acutorostrata; Leptonychotes weddelli | 11/22/1964 | Cape Crozier, Antarctica | S77 | E169 | 2 | 08:20.0 | 8 | Weddell seal is close by. Loud trills. Good recording. Minke sounds at end? |
| 64103 | Balaenoptera acutorostrata; Leptonychotes weddelli | 11/22/1964 | Cape Crozier, Antarctica | S77 | E169 | 2 | 08:13.6 | 7 | Weddell seal is close by. Loud trills. Good recording. Minke sounds at end. |
| 64104 | Balaenoptera acutorostrata; Leptonychotes weddelli | 11/22/1964 | Cape Crozier, Antarctica | S77 | E169 | 2 | 08:11.3 | 7 | Weddell seals a bit distant. Some minke sounds are present. Quiet ambient. |

| 61065 | Balaenoptera borealis, Balaenoptera physalus | 9/27/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 31:57.0 | 10 | Balaenopterids with low ambient. Good recording. |
|-------|---|------------|-------------------------|-----|------|---|-----------|----|---|
| 61066 | Balaenoptera borealis, Balaenoptera physalus | 9/27/1961 | Stellwagen Bank, MA | N42 | W069 | 2 | 31:57.3 | 10 | Balaenopterids with low ambient. Good recording. |
| 58022 | Balaenoptera physalus | 6/5/1958 | Cape Porpoise, ME | N43 | W070 | 2 | 17:46.8 | 4 | Not much. |
| 58002 | Balaenoptera physalus | 8/5/1958 | WNA | N39 | W072 | 2 | 16:15.2 | 7 | Voice on 1; data on 1 and 2. Quiet recording. Low ambient. |
| 60008 | Balaenoptera physalus | 12/20/1960 | Gulf of Maine | N40 | W070 | 2 | 32:24.095 | 6 | Ambient is low. Ch2 is voice, Ch1 is data. Good 20 Hz sounds from fin whales. |
| 60009 | Balaenoptera physalus | 12/20/1960 | Gulf of Maine | N40 | W070 | 2 | 12:21.696 | 6 | Ambient is low. Ch2 is voice, Ch1 is data. Good sounds from fin whales in the beginning of recording. |
| 61049 | Balaenoptera physalus | 9/13/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 27:41.5 | 7 | Low ambient. Finback sounds |
| 61050 | Balaenoptera physalus | 9/13/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:24.9 | 8 | Low ambient; some finback sounds. Good recording. |
| 61053 | Balaenoptera physalus | 9/13/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:32.0 | 9 | Low ambient; some finback sounds. Good recording. |
| 61048 | Balaenoptera physalus | 9/13/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:35.5 | 3 | Low ambient. Finback sounds are very strong; overloaded recording. |
| 61060 | Balaenoptera physalus | 9/14/1961 | E of Cape Cod, MA | N42 | W070 | 2 | 32:55.3 | 7 | Low ambient. Finback sounds; phone bumps. |
| 61056 | Balaenoptera physalus | 9/14/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 33:06.8 | 8 | Low ambient. Fnback sounds. Good recording. |
| 61057 | Balaenoptera physalus | 9/14/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 33:28.9 | 5 | Moderate ambient. Finback sounds and phone bumps |
| 61058 | Balaenoptera physalus | 9/14/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 33:22.6 | 7 | Low ambient. Finback sounds; phone bumps. |
| 61059 | Balaenoptera physalus | 9/14/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 32:57.0 | 7 | Low ambient. Fnback sounds. Good recording. |
| 61064 | Balaenoptera physalus | 9/27/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:59.7 | 10 | Finbacks with low ambient. Good recording. |
| 61096 | Balaenoptera physalus | 11/20/1961 | Halifax, N.S. | N44 | W063 | 1 | 34:20.349 | 7 | Good recording. Low ambient. 40 Hz fin whale calls |
| 61097 | Balaenoptera physalus | 11/20/1961 | Halifax, N.S. | N44 | W063 | 1 | 7:54.993 | 7 | Good recording. Low ambient. 20 Hz fin whale calls present. |
| 61098 | Balaenoptera physalus | 11/20/1961 | Halifax, N.S. | N44 | W063 | 1 | 33:31.480 | 7 | Low ambient. |
| 63023 | Balaenoptera physalus | 5/27/1963 | E. Brewster, MA | N40 | W070 | 2 | 08:26.7 | 3 | Blows; water noise; phone bumps; small enigine noise. |

| 63024 | Balaenoptera physalus | 5/27/1963 | E. Brewster, MA | N40 | W070 | 2 | 08:25.3 | 3 | Blows; water noise; phone bumps; small enigine noise. |
|-------|---|------------|---|-----|------|---|-----------|---|--|
| 63025 | Balaenoptera physalus | 5/27/1963 | E. Brewster, MA | N40 | W070 | 2 | 07:21.4 | 3 | Blows; water noise; phone bumps; small enigine noise. |
| 77001 | Balaenoptera physalus | 4/20/1977 | Stellwagen Bank | N42 | W070 | 4 | 27:15.2 | 6 | Some distant sounds. Low ambient. Quiet recording. |
| 77002 | Balaenoptera physalus | 4/20/1977 | Stellwagen Bank | N42 | W070 | 4 | 26:26.5 | 6 | Some distant sounds. Low ambient. Quiet recording. |
| 77012 | Balaenoptera physalus | 5/17/1977 | Off Race Point, Provincetown, MA | N41 | W071 | 4 | 27:13.8 | 7 | Ambient is not too high. A few good 40 Hz finback calls. |
| 77014 | Balaenoptera physalus | 5/17/1977 | Stellwagen Bank | N42 | W070 | 4 | 22:42.8 | 7 | Ambient is not too high. A few good 40 Hz finback calls. |
| 77015 | Balaenoptera physalus | 5/31/1977 | Stellwagen Bank | N42 | W070 | 4 | 26:36.0 | 6 | Ambient a bit high due to engine noise and phone bumps. A few good 40 Hz finback calls. |
| 81001 | Balaenoptera physalus | 4/21/1981 | SW corner Stellwagen bank, MA | N42 | W070 | 3 | 26:30.2 | 6 | Hydrodynamic sounds of fin whale feeding. |
| 81002 | Balaenoptera physalus | 5/8/1981 | SW corner Stellwagen bank, off MA | N42 | W070 | 3 | 26:36.7 | 7 | Ambient is not too high. A few good 40 Hz finback calls. |
| 59046 | Balaenoptera physalus | 2/28/1959 | Fletchers Neck Lifeboat Station, ME | N43 | W070 | 2 | 31:47.167 | 6 | Data on Ch1 and Ch 2; voice also on Ch1. Moderate ambient of ship creaks and water splashes. Good recording of ambient and finbacks. |
| 59040 | Balaenoptera physalus | 12/17/1959 | Nantucket, MA | N41 | W070 | 2 | 31:40.000 | 6 | Data on Ch1 and voice on Ch2. Low ambient. Good recording. |
| 77013 | Balaenoptera physalus, Ambient | 5/17/1977 | Near Race Point buoy, Provincetown, MA | N41 | W071 | 4 | 23:26.1 | 5 | Ambient is not too high. Some engine noise and phone bumps. No obvious whale calls |
| 77011 | Balaenoptera physalus, Ambient | 5/17/1977 | Off Race Point, Provincetown, MA | N41 | W071 | 4 | 26:50.7 | 5 | Ambient a bit high due to engine noise and phone bumps. No obvious whale calls |
| 70003 | Balaenoptera physalus, Eubalaena glacialis | 4/13/1970 | Off Race Point, Provincetown, MA | N42 | W070 | 4 | 09:04.8 | 5 | Some 20 Hz. Last half has rt. whale sounds. Ambient is high. |
| 70005 | Balaenoptera physalus, Eubalaena glacialis | 4/13/1970 | Race Point, Provincetown, MA | N42 | W070 | 4 | 15:58.0 | 4 | Rt whale moans sparse and faint. High ambient. CH 2 is best. |

| 70010 | Balaenoptera physalus, Eubalaena glacialis | 4/13/1970 | Race Point, Provincetown, MA | N42 | W070 | 4 | 15:57.8 | 5 | Ambient recording with much ship noise. |
|-------|--|------------------------|---|-----|------|---|---------|---|---|
| 70013 | Balaenoptera physalus, Eubalaena glacialis, Lagenorhynchus albirostris | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:18.4 | 3 | Very noisy ambient from ship engine noise. Fins about a mile distant. Ch 2 is best. |
| 77009 | Balaenoptera physalus, Lagenorhynchus acutus | 5/5/1977 | Cape Cod Bay, MA | N41 | W071 | 4 | 25:43.8 | 7 | Good Lag. whistles and clicks in the beginning of tape. 20 Hz and 40 Hz fin whale calls. Good tape. |
| 77010 | Balaenoptera physalus, Lagenorhynchus acutus | 5/5/1977; 5/17/1977 | Cape Cod Bay, MA | N41 | W071 | 4 | 26:39.6 | 6 | Ambient a bit high due to engine noise and phone bumps. Distant finback sounds. Some Lag whistles. |
| 62008 | Balaenoptera physalus, Lagenorhynchus albirostris | 5/10/1962 | Stellwagen Bank, MA | N41 | W070 | 2 | 16:20.8 | 5 | Ambient |
| 77007 | Balaenoptera physalus, Megaptera novaeangliae | 5/5/1977 | Cape Cod Bay, MA | N41 | W071 | 4 | 24:08.8 | 8 | Very good recording of 40 Hz fin whale calls. Low ambient. |
| 77008 | Balaenoptera physalus, Megaptera novaeangliae | 5/5/1977 | Cape Cod Bay, MA | N41 | W071 | 4 | 27:00.0 | 7 | Very good recording of 40 Hz fin whale calls. Low ambient. |
| 81003 | Balaenoptera physalus, Megaptera novaeangliae | 5/8/1981 | SW corner Stellwagen bank, off MA | N42 | W070 | 3 | 26:51.6 | 5 | Ambient is not too high. Some engine noise and phone bumps. No obvious whale calls |
| 61051 | Balaenoptera physalus; Megaptera novaeangliae | 9/13/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 32:28.0 | 9 | Low ambient; some finback sounds. Good recording. |
| 61039 | Balaneoptera physalus | 9/12/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:13.9 | 9 | Very low ambient. Finback sounds in beginning and end of recording. Good recording. |
| 61030 | Balaneoptera physalus, Delphinus delphis | 8/11/1961 | Off PA near Nantucket Canyon | N40 | W071 | 2 | 32:26.7 | 5 | Bear engine noise consistently throughout recording. Ambient only. Whales seem silent. |
| 51047 | Calibration | 4/23/1951 | Off MA | N41 | W070 | 1 | 08:01.3 | 5 | Calibration |

| 51048 | Calibration | 4/24/1951 | Off MA | N41 | W070 | 1 | 08:03.4 | 5 | Calibration |
|-------|--------------|-------------|--|------|-------|---|---------|---|---|
| 51049 | Calibration | 7/18/1951 | Off MA | N41 | W070 | 1 | 24:07.4 | 5 | Calibration |
| 51050 | Calibration | 10/24/1951 | Off MA | N41 | W070 | 1 | 06:47.3 | 5 | Calibration |
| 53010 | Calibration | 7/7/1953 | Woods Hole, MA | N41 | W070 | 2 | 08:19.0 | 2 | Calibration |
| 55027 | Calibration | 8/17/1955 | Nonamesset Is. | N40 | W070 | 1 | 08:13.6 | 5 | Hearing and echolocation observations. |
| | | | pond, MA | | | | | | Calibration of recording gear. Reel 27 |
| 55103 | Calibration | 11/17/1955 | MA | N40 | W070 | 1 | 06:43.1 | 5 | Calibration of recorder |
| 55098 | Calibration | 11/27/1955 | Nonamesset Is. | N40 | W070 | 1 | 04:55.8 | 5 | Hearing and echolocation observations. |
| | | | pond, MA | | | | | | No vocalization from the animal. |
| | - | | | | | | | _ | Calibration of equipment . Reel 98 |
| 55099 | Calibration | 11/28/1955 | Nonamesset Is. | N40 | W070 | 1 | 07:57.7 | 5 | Hearing and echolocation observations. |
| | | | pond, MA | | | | | | No vocalization from the animal. Calibration of equipment . Reel 99 |
| 56056 | Calibration | 9/6/1956 | Woods Hole, MA | N41 | W071 | 1 | 08:10.0 | 5 | Calibration of 30 ips Magnecoreder |
| 00000 | Galibration | 3/0/1300 | ************************************** | 1171 | ***** | • | 00.10.0 | Ü | tape recorder with experimental |
| | | | | | | | | | equalizer. |
| 56057 | Calibration | 9/6/1956 | Woods Hole, MA | N41 | W071 | 1 | 08:25.0 | 5 | Sine wave calibration of magnemite |
| | - | | | | | | | _ | recorder. |
| 56055 | Calibration | 10/14/1956 | Woods Hole, MA | N41 | W071 | 1 | 08:05.8 | 5 | Calibration of recorder |
| 56058 | Calibration | 10/18/1956 | Woods Hole, MA | N41 | W071 | 1 | 04:53.8 | 5 | Sine wave calibration of magnecorder |
| 56059 | Calibration | 10/19/1956 | Woods Hole, MA | N41 | W071 | 1 | 07:25.0 | 5 | Overall calibration of Magnecorder. Chace fone direct to first grid. |
| 56060 | Calibration | 10/29/1956 | Woods Hole, MA | N41 | W071 | 1 | 08:06.8 | 5 | Magnecorder calibration. Chace fone, |
| 00000 | Cambration | 10/23/1300 | ************************************** | 1171 | ***** | • | 00.00.0 | Ü | high level. |
| 64077 | Calibration | 11/17/1964 | McMurdo, | S77 | E166 | 2 | 16:24.0 | 5 | Calibration tape. |
| | | | Antarctica | | | | | | |
| 51045 | Calibration | 4//1951 | Off MA | N41 | W070 | 1 | 08:58.0 | 5 | White noise Calibration; voice |
| 51046 | Calibration | 4//1951 | Off MA | N41 | W070 | 1 | 10:04.1 | 5 | Calibration; voice |
| 54016 | Calibration | 1/18/1954 | Marine Studios, | N30 | W080 | 1 | 15:02.0 | 2 | Calibration using human voice. |
| | | | St. Augustine, | | | | | | |
| 55115 | Calibration | 0/20/4055 | FL Nonemagest le | N40 | W070 | 1 | 16:17.2 | 5 | Fraguency colibration for the CO inc |
| 33113 | Calibration | 9/29/1955 | Nonamesset Is. pond, MA | 1140 | VV070 | ' | 10.17.2 | 5 | Frequency calibration for the 60 ips recordings on Ampex |
| 55029 | Calibration, | 8/18/1955 - | Nonamesset Is. | N40 | W070 | 1 | 07:45.7 | 8 | Hearing and echolocation observations. |
| 00020 | Tursiops | 8/19/1955 | pond, MA | | | • | 00 | ŭ | Calibration of recording gear during first |
| | truncatus | | ' ' | | | | | | half of tape. Second half is recording of |
| | | | | | | | | | dolphin while it is feeding. Reel 29 |
| 55048 | Calibration, | 8/7/1955; | Nonamesset Is. | N40 | W070 | 1 | 05:54.8 | 6 | Hearing and echolocation observations. |
| | Tursiops | 8/24/1955 | pond, MA | | | | | | Calibration. Ok recording of whistles, |
| | truncatus | | | | | | | | clicks and click bursts. Overloaded at last third of tape. Ambient of water |
| | | | | | | | | | splashes and equipment banging. Reel |
| | | | | | | | | | 48 |
| 55139 | Calibration; | 10/10/1955 | Nonamesset Is. | N40 | W070 | 1 | 16:56.4 | 5 | Noise Calibration and ambient |
| | Ambient | | pond, MA | | | | | | recording. |
| | | | | | | | | | |

| 55140 | Calibration; Ambient | 10/10/1955 | Nonamesset Is. | N40 | W070 | 1 | 15:38.2 | 5 | Noise Calibration and ambient recording. |
|-------|--|------------|--|---------|---------|---|-----------|----|---|
| 56030 | Calibration; Ambient | 7/7/1956 | WHOI, Woods Hole, MA | N41 | W071 | 1 | 08:25.9 | 5 | Magnemite tape recorder calibration. |
| 60013 | Chimes | 3/12/1960 | Lerner Marine Lab, FL | unknown | unknown | 1 | 6:00.000 | 5 | Recording of auto horns and chimes that Kritzler and Wood played to their sharks. |
| 58039 | Chiroptera | //1958 | unknown | unknown | unknown | 1 | 05:51.0 | 10 | |
| 60022 | Chiroptera | //1960 | Germany | N50 | E010 | 1 | 13:53.800 | 5 | Recording of echolocation. Recorded by Walter Nicolai. |
| 60023 | Chiroptera | //1960 | Germany | N50 | E010 | 1 | 14:28.964 | 5 | Recording of heartbeats. Recorded by Walter Nicolai. |
| 64016 | Crustacea | 7/15/1964 | Fort Bay, Long Island, NY | N41 | W074 | 1 | 09:00.0 | 5 | Spider crab noises. Phone bumps throughout. |
| 55112 | Crustacea Green crabs | 7/26/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 05:58.5 | 5 | Green crabs |
| 52066 | Crustacea snapping shrimp, Tursiops truncatus | 4/8/1952 | St. Augustine, FL | N30 | W081 | 1 | 16:04.3 | 3 | Overloaded recording. |
| 61032 | Crustacea, Fish, sensu lato, Tursiops truncatus | 9/1/1961 | Naval Ordinance Lab recording near Beaufort, NC | N42 | W087 | 1 | 22:38.7 | 9 | Compilation tape with many examples of cetacean sounds |
| 63006 | Cystophora cristata | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 15:13.0 | 5 | Quiet |
| 63008 | Cystophora cristata | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:02.8 | 5 | Quiet |
| 63004 | Cystophora cristata, Delphinapterus leucas | 1/21/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 15:31.5 | 5 | Water splashing throughout recording. Pump noise. |
| 49001 | Delphinapterus leucas | 7/1/1949 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 09:59.6 | 8 | Low ambient recording. Very good recording. Delphinapterus clicks and whistles. |
| 49003 | Delphinapterus leucas | 7/20/1949 | Saguenay River, Quebec. Canada | N48 | W070 | 1 | 1:07:26.2 | 3 | High level of ambient noise. Poor recording. |
| 49004 | Delphinapterus leucas | 7/22/1949 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 1:04:59.8 | 6 | High level of ambient noise in first half of recording. Second half much lower level of ambient. Good recording during second half of tape. |
| 49005 | Delphinapterus leucas | 7/25/1949 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 1:07:19.1 | 7 | Low level of ambient noise. Good recording. |
| 49006 | Delphinapterus leucas | 7/25/1949 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 1:04:56.3 | 5 | Low level of ambient noise. Distant sounds from beluga. Mostly ambient. |

| 49007 | Delphinapterus leucas | 7/26/1949 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 1:05:17.4 | 8 | Low level of ambient noise. Good clicks and click series from beluga. Good recording. |
|-------|--------------------------|-----------|-----------------------------------|---------|---------|---|-----------|---|---|
| 49008 | Delphinapterus leucas | 7/26/1949 | Saguenay River, Quebec, Canada | N48 | W070 | 1 | 1:05:10.2 | 8 | Low level of ambient noise. Good calls and clicks from beluga. Good recording. |
| 62020 | Delphinapterus leucas | 6/8/1962 | Anse a la Boule, Canada | N48 | W070 | 2 | 08:16.0 | 4 | Cable flutter and helio engine noise. Few pulsed click series. |
| 62012 | Delphinapterus leucas | 6/8/1962 | Anse St. Etienne, Canada | N48 | W070 | 2 | 08:08.1 | 5 | Beluga pulsed clicks. Phone bumping noise at beginning. Helio noise throughout. |
| 62013 | Delphinapterus leucas | 6/8/1962 | Anse St. Etienne, Canada | N48 | W070 | 2 | 08:03.6 | 6 | Some pulsed clicks. Water and phone bumping. Helio engine running. |
| 62014 | Delphinapterus leucas | 6/8/1962 | Anse St. Etienne, Canada | N48 | W069 | 2 | 08:18.8 | 4 | Some pulsed clicks. Water and phone bumping. Helio engine running. Bad flutter. |
| 62015 | Delphinapterus leucas | 6/8/1962 | Anse St. Etienne, Canada | N48 | W069 | 2 | 08:01.6 | 1 | Helio engine running. Bad flutter. No clicks. |
| 62016 | Delphinapterus leucas | 6/8/1962 | Anse St. Etienne, Canada | N48 | W070 | 2 | 08:07.9 | 1 | Helio engine running. Bad flutter. No clicks. |
| 62017 | Delphinapterus leucas | 6/8/1962 | Baie Ste. Catherine, Canada | N48 | W070 | 2 | 08:26.4 | 4 | Helio engine running. Bad flutter in beginning; middle of tape is quieter with only water noise. Some pulsed clicks in middle of recording. |
| 62018 | Delphinapterus leucas | 6/8/1962 | Baie Ste. Catherine, Canada | N48 | W069 | 2 | 08:16.1 | 6 | Some pulsed clicks and squeals. Water noise. Ok recording. |
| 62019 | Delphinapterus leucas | 6/8/1962 | Baie Ste. Catherine, Canada | N48 | W069 | 2 | 08:19.2 | 7 | Lots of pulsed click series and squeals. Good tape. Some cable flutter and water noise. |
| 62026 | Delphinapterus leucas | 6/8/1962 | Saguenay River, Qubec, Canada | N48 | W070 | 1 | 02:34.7 | 5 | Edited copies of 62-23, 62-22, 62-19. First part overloaded. |
| 62011 | Delphinapterus leucas | 6/8/1962 | St. Lawrence River, Canada | N47 | W065 | 2 | 08:24.6 | 7 | Beluga pulsed clicks. Noise at beginning but quiets nicely. Good recording. |
| 62022 | Delphinapterus leucas | 6/9/1962 | Saguenay River, Qubec, Canada | N48 | W070 | 2 | 08:14.8 | 4 | Bad cable flutter and helio engine noise. Some pulsed click series and squeals. |
| 62023 | Delphinapterus leucas | 6/9/1962 | Saguenay River, Qubec, Canada | N48 | W070 | 2 | 08:15.9 | 7 | Bad cable flutter. Good pulsed click series and squeals. |
| 62024 | Delphinapterus leucas | 6/9/1962 | Saguenay River, Qubec, Canada | N48 | W070 | 2 | 07:06.6 | 6 | Bad cable flutter. Pulsed click series and squeals overloaded at times. |
| 62027 | Delphinapterus leucas | 6/19/1962 | New York | unknown | unknown | 2 | 03:06.4 | 1 | Edited copies. Recorder troubles. Overloaded squeals.Bad tape. |
| 63012 | Delphinapterus leucas | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:05.5 | 4 | Pump noise is quite loud. |

| 63013 | Delphinapterus leucas | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:07.1 | 1 | Pump noise is quite loud. |
|-------|---|--------------|--|----------|---------------|---|-----------|---|---|
| 63014 | Delphinapterus leucas | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:07.6 | 1 | Pump noise is quite loud. |
| 63015 | Delphinapterus leucas | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:05.7 | 1 | Pump noise is quite loud. |
| 64145 | Delphinapterus leucas | 9/28/1964 | NY | unknown | unknown | 1 | 16:11.7 | 5 | Pump noise is quite loud in the beginning of the tape. Few sounds? |
| 64146 | Delphinapterus leucas | 9/28/1964 | NY | unknown | unknown | 1 | 16:22.8 | 5 | Few sounds. Quiet recording.Some click bursts. |
| 65030 | Delphinapterus leucas | 5/9/1965 | lle aux Coudres, Quebec, Canada | unknown | unknown | 1 | 32:57.8 | 6 | 7 belugas in freshwater pond. Low ambient. A few good sounds. Good recording. |
| 65031 | Delphinapterus leucas | 5/11/1965 | NY Aquarium, NY | unknown | unknown | 1 | 33:08.6 | 4 | High ambient. |
| 65033 | Delphinapterus leucas | 5/30/1965 | NY Aquarium, NY | unknown | unknown | 1 | 32:28.3 | 4 | Belugas in holding tanks. Water noise and reverb noise from tank. Modest ambient. |
| 70020 | Delphinapterus leucas | //1970 | Kuichak, AK | N59 | W157 | 1 | 24:41.1 | 8 | Ambient is low. Some phone bumps. Very good recording of squeals. |
| 65032 | Delphinapterus leucas | 5/12-13/1965 | NY Aquarium, NY | unknown | unknown | 1 | 33:09.8 | 4 | Belugas in holding tanks. Water noise and reverb noise from tank. Modest ambient. |
| 49022 | Delphinapterus leucas; Globicephala macrorchynchus | //1949 | Saguenay River, Quebec, Canada; off St. Augustine, FL | N48; N30 | W069; W081 | 1 | 58:39.7 | 2 | High ambient of engine noise. Overloaded tape. |
| 59047 | Delphinidae | 4/20/1959 | Off VA | N36 | W073 | 2 | 16:13.324 | 6 | Data on Ch1 and voice on Ch2. Moderate ambient. of ship noise, water splashes and hydrophone cable noise. Faint Delphinid whistles. Good recording. |
| 59048 | Delphinidae | 4/20/1959 | Off VA | N36 | W073 | 2 | 16:19.401 | 6 | Data on Ch1 and voice on Ch2. Moderate ambient. of ship noise, water splashes and hydrophone cable noise. A few faint Delphinid whistles at end of recording. OK recording. |
| 59049 | Delphinidae | 4/20/1959 | Off VA | N36 | W073 | 2 | 16:42.785 | 6 | Data on Ch1 and voice on Ch2. Moderate ambient. of ship noise, water splashes and hydrophone cable noise. Many Delphinid whistles and clicks. Good recording. |
| 61088 | Delphinidae | 4/20/1961 | Moreton Bay, Australia | S27 | E153 | 1 | 33:08.333 | 5 | High ambient of ship engine noise. Some porpoise sounds throughout recording. |

| 64111 | Delphinidae | 12/8/1964 | Cove North of Wood Head, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:11.3 | 6 | Delphinid clicks. Phone sloshing in water. |
|-------|---|------------|--|-----|------|---|-----------|---|--|
| 64127 | Delphinidae | 12/13/1964 | 4 miles east of Oaro, New Zealand | S45 | E167 | 2 | 08:12.8 | 6 | Badly overloaded from clicks and click bursts. Animals very close to phone. |
| 64129 | Delphinidae | 12/13/1964 | 4 miles east of Oaro, New Zealand | S45 | E167 | 2 | 08:11.8 | 6 | Mixed species recording. Overloaded at times from very close clicks and click bursts. |
| 64128 | Delphinidae | 12/13/1964 | 4 miles off of Oaro, New Zealand | S45 | E167 | 2 | 08:19.7 | 6 | Overloaded from clicks and click bursts. Animals very close to phone. |
| 64120 | Delphinidae | 12/13/1964 | 5 miles southeast of Kaikoura Peninsula, New Zealand | S45 | E167 | 2 | 08:09.5 | 4 | Phone towed behind ship. Some delphinid clicks. Overloaded recording of clicks and a few whistles. |
| 64121 | Delphinidae | 12/13/1964 | 5 miles southeast of Kaikoura Peninsula, New Zealand | S45 | E167 | 2 | 08:12.6 | 6 | Phone in 25 ft. of water. Some delphinid clicks. Overloaded at times. Recording of clicks and pulsed click bursts. Presumed Lagenorhynchus. |
| 64125 | Delphinidae | 12/13/1964 | 5 miles southeast of Kaikoura, New Zealand | S45 | E167 | 2 | 08:14.1 | 8 | Very good recording of clicks and click bursts. Some water splashes and phone bumps. Some overloading in second half of recording. Animals are close by. |
| 52008 | Delphinidae, Megaptera novaeangliae, Physeter catodon | 4/9/1952 | 11 mi SE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:10.0 | 4 | Delphinid whistles, sperm whale clicks in the beginning. Ambient low in first half of recording. Some ship noise from engine and rudder. Fair recording. |
| 61089 | Delphinidae; Ambient | 4/19/1961 | Moreton Bay, Australia | S27 | E153 | 1 | 32:39.633 | 4 | High ambient of engine noise, water splashes and hydrophone bumps. Very few squeals from porpoise. |
| 61090 | Delphinidae; Ambient | 4/20/1961 | Moreton Bay, Australia | S27 | E153 | 1 | 32:31.627 | 3 | High ambient of engine noise, water splashes and hydrophone bumps. Very few squeals from porpoise. |
| 49009 | Delphinidae; Delphinus delphis | 7/28/1949 | WNA.; Woods Hole, MA | N40 | W070 | 1 | 22:49.8 | 5 | Brief recording in beginning of tape from Corsair. Remaining recording is of a larynx experiment on a dead dolphin at WHOI. Moderate ambient noise during Corsair recording. OK recording. |

| 61018 | Delphinidae; Globicephala melaena; Grampus griseus: Ambient | 6/7/1961 | Near New England Seamounts | N38 | W064 | 1 | 16:27.4 | 2 | Overloaded data. Poor recording. |
|----------------|---|--|---|------------|--------------|---|--------------------|--------|--|
| 60006 | Delphinus | 10/24/1960 | Atlantic Ocean | N36 | W030 | 2 | 11:20.959 | 5 | Ch1 is intermittent. Ch2 is best. High ambient. |
| 58036 58021 | Delphinus bairdii Delphinus bairdii, Globicephala scammoni | 11/19/1958 3/18/1958 - 3/19/1958 | Catalina I., CA San Pedro Channel, Santa Catalina I., CA | N33 N33 | W118 W118 | 1 | 02:14.1 16:10.4 | 5 8 | Clicks Quiet. Pulsed clicks. |
| 58021B | Delphinus bairdii, Globicephala scammoni | 3/18/1958 - 3/19/1958 | San Pedro Channel, Santa Catalina I., CA | N33 | W118 | 1 | 00:14.1 | 5 | Windy. Whstles and clicks. |
| 57025 | Delphinus delphis | 7/23/1957 | Mid-Atlantic coast of US | N49 | W067 | 2 | 07:30.8 | 6 | High ambient of ship noise. Lots of clicks. Delphinus nearby. |
| 57026 | Delphinus delphis | 7/23/1957 | Mid-Atlantic coast of US | N49 | W067 | 2 | 16:00.0 | 8 | Ch 2 data; ch 1 voice. Good recording. Low ambient. |
| 57027 | Delphinus delphis | 7/23/1957 | Mid-Atlantic coast of US | N49 | W067 | 2 | 04:13.3 | 8 | Ch 2 data; ch 1 voice. Good recording. Low ambient. |
| 58013 | Delphinus delphis | 8/12/1958 | WNA | N40 | W071 | 2 | 08:39.2 | 10 | Voice on 1 and data on 2. Good recording. Water splashes. Clicks, whistles. |
| 58014 | Delphinus delphis | 8/12/1958 | WNA | N40 | W071 | 2 | 16:03.6 | 10 | Voice on 1 and data on 2. Good recording. Clicks, whistles. |
| 63021 | Delphinus delphis, Globicephala, Grampus griseus, Phocoena phocoena, Tursiops truncatus | //1963 | Mediterranean | unknown | unknown | 1 | 09:55.5 | 8 | Water noise; good recordings. Alarm sounds of Tursiops included. |
| 56032 | Delphinus delphis; Megaptera novaeangliae | 9/20/1956 | Gulf of Maine | unknown | unknown | 1 | 08:00.1 | 5 | Mostly voice. Ambient is low. Maybe a humpback moan. |
| 56031 | Delphinus delphis; Megaptera novaeangliae | 9/19/1956 - 9/20/1956 | Gulf of Maine | unknown | unknown | 1 | 08:05.0 | 5 | Magnemite tape recorder calibration. Ambient is low. Whales in area near ship. |

| 70022 | Erignathus barbatus | 5/13/1970 | W beach Gambell, St. Lawrence I., AK | N63 | W171 | 1 | 08:08.7 | 5 | High ambient of ice, waves and wind. Trills in background. |
|-------|---|--------------------------|---|-----|------|---|---------|---|--|
| 70023 | Erignathus barbatus | 5/19/1970 - 5/20/1970 | 7 mi. NE of Gambell, St. Lawrence I., AK | N63 | W171 | 1 | 08:03.8 | 7 | Low ambient. Good recording. |
| 70024 | Erignathus barbatus, Odobenus rosmarus | 5/20/1970 | Gambell, St. Lawrence I., AIK | N63 | W171 | 1 | 08:05.5 | 7 | Low ambient. Good recording. |
| 65001 | Eschrichtius robustus | 1/20/1965 | Pt Hueneme off Santa Cruz Is., CA | N34 | W119 | 2 | 8:11.7 | 5 | Nearby ship engine noise. Ambient of water slaps, etc. |
| 70004 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 15:34.9 | 4 | Rt whale moans sparse and faint. High ambient. CH 2 is best. |
| 56068 | Eubalaena glacialis | 4/3/1956 | Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 08:55.4 | 4 | Eubalaena selections: 1) With 740 ~ dip filter; 2) Without filter. Selections of most of the high level sounds. Overloaded. |
| 56013 | Eubalaena glacialis | 4/3/1956 | W end of Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 16:23.6 | 7 | Ambient is low. Very good recording with a few moans. ID'd as humpbacks on tape. |
| 56014 | Eubalaena glacialis | 4/3/1956 | W end of Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 16:18.7 | 8 | Good groans, the rest low level. Ship generator and engine noise occurs consistently at 60 Hz. Very good recording. Low ambient. |
| 56015 | Eubalaena glacialis | 4/3/1956 | W end of Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 16:16.7 | 8 | Good groans, the rest low level. Ship generator and engine noise occurs consistently at 60 Hz. Very good recording. Low ambient. |
| 56016 | Eubalaena glacialis | 4/3/1956 | W end of Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 16:07.5 | 8 | Good groans, the rest low level. Ship generator and engine noise occurs consistently at 60 Hz. Very good recording. Low ambient. |
| 56017 | Eubalaena glacialis | 4/3/1956 | W end of Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 15:54.3 | 8 | Good groans, the rest low level. Ship generator and engine noise occurs consistently at 60 Hz. Very good recording. Low ambient. |
| 56018 | Eubalaena glacialis | 4/3/1956 | W end of Dogfish Bar, Vineyard Sound, MA | N41 | W071 | 1 | 10:07.3 | 8 | Good groans, the rest low level. Ship generator and engine noise occurs consistently at 60 Hz. Very good recording. Low ambient. |

| 56019 | Eubalaena glacialis | 4/4/1956 | Menemsha Bight, Vineyard Sound, MA | N41 | W071 | 1 | 16:03.6 | 6 | Ambient is high toward end of tape. One groan. Ship noise is a bit loud. |
|-------|------------------------|-----------|---|-----|------|---|---------|---|--|
| 56025 | Eubalaena glacialis | 4/6/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 16:05.6 | 7 | Low ambient. Some moans. Good recording. |
| 56026 | Eubalaena glacialis | 4/6/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 16:23.9 | 8 | Low ambient. Some moans. Good recording. |
| 56027 | Eubalaena glacialis | 4/6/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 15:17.9 | 7 | Low ambient. Some moans. Good recording. |
| 56028 | Eubalaena glacialis | 4/6/1956 | Vineyard Sound, MA | N41 | W071 | 1 | 08:01.5 | 7 | Low ambient. Some moans. Good recording. |
| 59001 | Eubalaena glacialis | 4/14/1959 | 5 miles off Manomet, Cape Cod Bay, MA | N41 | W070 | 2 | 16:08.8 | 6 | Data on Ch1, voice on Ch2. Recorder problems on Ch 2-speed is variable. Moderate ambient. Ambient of ship engine noise. Some good rt. whale moans scattered throughout recording. Ok recording. |
| 59002 | Eubalaena glacialis | 4/14/1959 | 5 miles off Manomet, Cape Cod Bay, MA | N41 | W070 | 2 | 16:31.8 | 5 | Data on Ch1, voice on Ch2. Recorder problems on Ch 2-speed is variable. Moderate ambient. Ambient of ship engine noise. Draggers in area. No moans detected. Ambient recording. |
| 59004 | Eubalaena glacialis | 4/15/1959 | 3.5 mi. ENE of Cape Cod Canal, MA | N41 | W070 | 2 | 16:16.5 | 9 | Data on Ch1, voice on Ch2. Recorder problems on Ch 2-speed is variable. Very low ambient. Some excellent rt. whale moans throughout recording. Very good recording. |
| 59005 | Eubalaena glacialis | 4/15/1959 | 3.5 mi. ENE of Cape Cod Canal, MA | N41 | W070 | 2 | 16:12.3 | 8 | Data on Ch1, voice on Ch2. Very low ambient. Some excellent rt. whale moans throughout recording. Much surface activity. Very good recording. |
| 59006 | Eubalaena glacialis | 4/15/1959 | 3.5 mi. ENE of Cape Cod Canal, MA | N41 | W070 | 2 | 07:45.3 | 7 | Data on Ch1, voice on Ch2. Very low ambient. Some rt. whale moans in beginning of recording. Much surface activity. Ok recording. |
| 59007 | Eubalaena glacialis | 4/15/1959 | 3.5 mi. ENE of Cape Cod Canal, MA | N41 | W070 | 1 | 07:49.6 | 5 | Data and voice on Ch1. Hgh ambient. of ship engine noise. Some rt. whale moans. |
| 59003 | Eubalaena glacialis | 4/15/1959 | 4-5 mi off Sandwich, Cape Cod Bay, MA | N41 | W070 | 2 | 16:09.0 | 7 | Data on Ch1, voice on Ch2. Recorder problems on Ch2. Ch 2 speed is varible. Moderate ambient. Ambient of ship engine noise. Tanker nearby. Rt whales are very active at surface. Some good rt. whale moans scattered throughout recording. Good recording. |

| 65029 | Eubalaena glacialis | 12/28/1965 | NW Atlantic Ocean | unknown | unknown | 2 | 37:25.1 | 3 | High ambient. Mostly ship engine noise. |
|-------|---|------------|--|---------|---------|---|---------|---|--|
| 70006 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:00.4 | 4 | Rt whale moans sparse and faint. High ambient. CH 2 is best. Loud ship. |
| 70007 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:04.0 | 4 | Rt whale moans sparse and faint. High ambient. CH 2 is best. Loud ship. |
| 70008 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:07.2 | 5 | Sparse rt whale sounds. Ambient recording. |
| 70016 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:26.4 | 7 | Ambient is low. A few rt. whale calls. Good recording. |
| 70017 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:17.2 | | |
| 70018 | Eubalaena glacialis | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:08.2 | | |
| 70012 | Eubalaena glacialis, Lagenorhynchus albirostris | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:18.0 | 3 | Very noisy ambient from ship engine noise. |
| 70014 | Eubalaena glacialis, Lagenorhynchus albirostris | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:21.3 | 6 | Ambient is low. Many rt. whale calls. Good recording. |
| 70015 | Eubalaena glacialis, Lagenorhynchus albirostris, Balaenoptera physalus | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 18:10.3 | 5 | Ambient recording. Possible faint squeals. |
| 70027 | Fish, sensu lato | 5/23/1905 | Western North Atlantic | unknown | unknown | 1 | 46:34.0 | 8 | Very good compilation recording of various fish sounds. |
| 56066 | Fish, sensu lato | 6/13/1956 | Lerner Marine Lab, Bimini, Bahamas | N25 | W079 | 1 | 12:46.7 | 8 | Compilation of sounds recorded near and at Bimini. "Bahama Marine Sounds". 15 ips Tape copied Dec. 18, 1956 Ambient is low. Very good recording. |
| 58016 | Fish, sensu lato | 3/16/1958 | Marineland of the Pacific Holding tank, San Diego, CA | unknown | unknown | 1 | 07:56.9 | 6 | Not much |

| 59026 | Fish, sensu lato | 7/28/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 14:17.8 | 5 | Data on Ch1 and voice on Ch2. First part of recording: recording of a filefish that is in a barrel on deck of Bear. Second part of recording is of plankton in a barrel on deck of Bear. Moderate |
|-------|--|------------|---|-----|------|---|-----------|---|--|
| 59027 | Fish, sensu lato | 7/28/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 08:28.8 | 5 | ambient of ship noise and voices. Data on Ch1 and voice on Ch2. First part of recording: recording of plankton in a barrel on deck of Bear. Second part of recording is of Seriola in a barrel on deck of Bear. Moderate ambient of ship noise and voices. |
| 61005 | Fish, sensu lato | 3/27/1961 | Bimini, Bahamas | N25 | W077 | 1 | 09:36.5 | 4 | Shallow and deep phones |
| 65028 | Fish, sensu lato | 10/14/1965 | Oahu, HI | N30 | W158 | 1 | 31:30.3 | 5 | Recordings of fishes, Balistidae and Holocentridae |
| 56069 | Fish, sensu lato | 6//1956 | Bimini, Bahamas | N25 | W079 | 1 | 12:11.1 | | Fish selections from Bimini: Diodon hystrix (feeding), Diodon hystrix (held in hand), Variety of fish (except trigger fish), Balistes vetula and Melichthys piceus, Haemulon sciurus (held in hand), Holocentrus ascensionis (held in hand), Epinephelus striatus, Spheroides spengleri, Pomacanthus arcuatus, Holocentrus ascensionis, Caranx hippos, Pomacanthus arcuatus, Panulirus argus, Panulirus argus (held in hand), Panulirus argus (feeding), Gonodactylus sp., Alpheus armatus. Ambient is low. Very good recording. |
| 62028 | Fish, sensu lato; General cetacean | 7//1962 | Univ. of Miami facilities, Bimini, Bahamas | N25 | W077 | 2 | 18:14.1 | 2 | Overloaded. |
| 49010 | Fish, sensu lato; Phocidae | 7/27/1949 | Tadousac, Quebec; Saguenay River, Quebec, Canada | N48 | W070 | 1 | 1:05:05.8 | 5 | First half of tape is a recording of trout in a fish hatchery in Quebec. Low ambient noise consisting of pump noise. Second half is of seals. Moderate ambient of wave noise and ship engines. |
| 54036 | Fish: Prionotus | 8/16/1954 | Woods Hole, MA | N41 | W071 | 2 | 15:24.2 | 8 | Background noise, Sea robins respond to QBG signal. |
| 54029 | Fish: Prionotus | 8/17/1954 | Woods Hole, MA | N41 | W071 | 2 | 15:59.7 | 8 | Fish calls. Ambient of water movement. Good recording. |
| 54030 | Fish: Prionotus | 8/17/1954 | Woods Hole, MA | N41 | W071 | 2 | 16:10.6 | 7 | Fish calls. Ambient of water movement and boat horns. Good recording. |
| 54031 | Fish: Prionotus | 8/17/1954 | Woods Hole, MA | N41 | W071 | 2 | 15:51.3 | 8 | Fish calls. Ambient of water movement and boat horns. Good recording. |

| 54033 | Fish: Prionotus | 8/17/1954 | Woods Hole, MA | N41 | W071 | 2 | 10:33.7 | 7 | Fish calls. Ambient of water movement and boat horns. Good recording. |
|-------|-------------------------------|--------------------------|--|---------|---------|---|----------|---|---|
| 54034 | Fish: Prionotus | 8/16/1954 - 8/19/1954 | Woods Hole, MA | N41 | W071 | 2 | 16:18.6 | 8 | Fish calls. Ambient of water movement and boat horns. Good recording. |
| 54035 | Fish: Prionotus | 8/16/1954 - 8/19/1954 | Woods Hole, MA | N41 | W071 | 1 | 16:16.2 | 8 | Compilation of fish calls; 30Kc, 25Kc, and 40Kc responses. |
| 54032 | Fish: Prionotus | 8/17/1954 - 8/18/1954 | Woods Hole, MA | N41 | W071 | 2 | 12:08.5 | 8 | Fish calls. Ambient of water movement and boat horns. Good recording. |
| 49002 | General cetacean | 10/6/1949 | 30 mi S of Sambro Light vessel, Nova Scotia, Canada | N44 | W064 | 1 | 03:17.6 | 3 | Moderate ambient. Distorted recording. Poor recording. |
| 57023 | General cetacean | 4/20/1957 | Off sea buoy at St. Georges, Bermuda | N32 | W064 | 1 | 28:42.6 | 2 | High ambient. Engine noise is very loud. |
| 61080 | General cetacean | 8/12/1961 | Near New England Seamounts | N38 | W065 | 2 | 06:29.6 | 5 | Not a good comp. tape. |
| 64114 | General cetacean | 12/8/1964 | North of Wood Head, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:20.0 | 3 | Porpoise squeals and clicks. High ambient. Nearby ship engine noise is present. |
| 61095 | General cetacean | //1961 | Bimini, Bahamas | N25 | W077 | 1 | 3:09.503 | 5 | Variety of cetacean sounds recorded by Univ. of Miami at Bimini Hydrophone Inst. Moderate ambient. Recording is a bit overloaded. |
| 61006 | General cetacean | 4//1961 | USN ship | unknown | unknown | 2 | 29:30.9 | 7 | Compilation tape with many examples of cetacean sounds |
| 49012 | General mammal | 7/30/1949 | Back Lake, Pittsburg, NH | N45 | W071 | 1 | 56:25.8 | 4 | Moderate to high ambient of electrical noise. This is an attempt to record beaver. Ambient recording. |
| 52004 | Globicephala macrorhynchus | 4/8/1952 | 6 mi off Castle Harbour, Bermuda | N32 | W064 | 1 | 08:21.5 | 4 | Faint calls. High ambient. Ship creaks and water splashes |
| 52005 | Globicephala macrorhynchus | 4/8/1952 | 6 mi. off Castle Harbour, Bermuda | N32 | W064 | 1 | 08:01.6 | 4 | Faint calls. High ambient. Ship creaks and water splashes |
| 54040 | Globicephala macrorhynchus | 5/20/1954 | 4 mi. N end of Gun Cay, Bahamas | N25 | W079 | 1 | 06:34.1 | 9 | Reel No. 3, sequences 1, 2 and 3. Very good recording of pilot whale whistles. Ambient is low. |
| 57019 | Globicephala macrorhynchus | 3/21/1957 | NW arm Tongue of the Ocean | N25 | W078 | 1 | 07:56.8 | 8 | "Hey Suzie" recording. Small harpooned female onboard. Remaining pilot whales calling close to ship. Very good recording. |
| 65002 | Globicephala macrorhynchus | 1/25/1965 | 10 mi SE of San Pedro Light, CA | N37 | W122 | 2 | 8:04.3 | 6 | Buzzes and whistles from pilot whales. |

| 65003 | Globicephala | 1/25/1965 | 10 mi SE of San | N37 | W122 | 2 | 8:22.2 | 5 | Ship ambient is loud. Some buzzes |
|-------|---|-------------------------|--|----------|---------------|---|-----------|---|--|
| 65004 | macrorhynchus Globicephala | 1/25/1965 | Pedro Light, CA 10 mi SE of San | N37 | W122 | 2 | 8:11.5 | 6 | and squeals in beginning of recording. Buzzes and whistles from pilot whales. |
| | macrorhynchus | | Pedro Light, CA | | | | | | Ship ambient is a bit loud. Good recording |
| 65005 | Globicephala macrorhynchus | 1/25/1965 | 10 mi SE of San Pedro Light, CA | N37 | W122 | 2 | 8:17.8 | 8 | Very good recording. Buzzes and squeals. |
| 65025 | Globicephala macrorhynchus | 11/10-11/1965 | Off Catalina Island, Ca | N33 | W113 | 2 | 26:56.7 | 3 | Clicks. Ambient is high. |
| 57021 | Globicephala macrorhynchus | 3/16/1957; 3/21/1957 | 10 mi. N of Bimini; NW arm Tongue of the Ocean | N25 | W077 | 1 | 15:55.6 | 8 | Copy of "Hey Suzie" recordings. Good recording. |
| 57018 | Globicephala macrorhynchus | | 10 mi. N of Bimini, Tongue of the Ocean | N25 | W079 | 1 | 08:00.0 | 8 | "Hey Suzie" recording. Small harpooned female onboard. Remaining pilot whales calling close to ship. Very good recording. |
| 61004 | Globicephala macrorhynchus | | Bimini, Bahamas | N25 | W077 | 1 | 02:35.5 | 4 | Deep water hydrophone at 1200 ft depth. |
| 52003 | Globicephala macrorhynchus, Megaptera novaeangliae | 4/8/1952 | 6 mi off St David's Head, Bermuda | N32 | W064 | 1 | 05:17.9 | 4 | Ship creaks and water slaps. Ambient recording. Possible humback calls, but recording is a bit muddy. |
| 52052 | Globicephala macrorhynchus, Megaptera novaeangliae | 4/8/1952 | SE of St. David's Head, Bermuda | N32 | W064 | 1 | 16:50.3 | 5 | Pilot whales near ship. Distant humpback calls. Good copy of 52-3 and -4. Ambient is low ship creaks and water splashes. |
| 55100 | Globicephala macrorhynchus; Megaptera novaeangliae | 5/20/1954; 1/30/1955 | 4 mi. W Green Cay, Bahamas; 2 miles N of Pt Borinquen, Puerto Rico | N32; N18 | W064; W065 | 1 | 16:45.1 | 7 | Pilot whales recorded in Bahamas and the humpbacks were recorded in PR. See tech Rep 55-10 (Marine Lab - University of Miami) for analysis and info. Good recording. |
| 49013 | Globicephala macrorhynchus; Stenella frontalis; Tursiops truncatus | 5/13/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 46:40.0 | 4 | Moderate to high ambient sounds from aquarium pumps and aquarium visitors. Mostly Tursiops vocalizations. |
| 49014 | Globicephala macrorhynchus; Stenella frontalis; Tursiops truncatus | 5/14/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 1:03:21.1 | 4 | Moderate ambient electrical noise. A few animal sounds. |

| 49015 | Globicephala macrorhynchus; Stenella frontalis; Tursiops | 5/14/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 58:54.3 | 4 | Moderate ambient of electrical noise and water splashes. A few animal sounds at end of recording. |
|-------|---|--------------------------|---|---------|---------|---|-----------|---|---|
| 49016 | truncatus Globicephala macrorhynchus; Stenella frontalis; Tursiops truncatus | 5/14/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 1:02:18.1 | 5 | Low ambient of electrical noise and water splashes. Tursiops sounds throughout recording. |
| 49017 | Globicephala macrorhynchus; Stenella frontalis; T. truncatus | 5/14/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 1:04:01.6 | 5 | Low ambient of electrical noise and water splashes. Tursiops sounds throughout recording. |
| 49019 | Globicephala macrorhynchus; Stenella frontalis; Tursiops truncatus | 5/15/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 36:05.4 | 5 | Low ambient of electrical noise and water splashes. Tursiops sounds throughout recording. |
| 49018 | Globicephala macrorhynchus; Stenella frontalis; Tursiops truncatus | 5/14/1949 - 5/15/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 1:05:33.1 | 5 | Low ambient of electrical noise and water splashes. Tursiops sounds throughout recording. |
| 53007 | Globicephala melaena | 6/11/1953 | Nonamesset Island Pond, MA | N41 | W070 | 2 | 04:31.0 | 3 | Generator noise overloaded on CH1. Voice on 2. Whistles |
| 53002 | Globicephala melaena | 6/11/1953 | W. N. Atlantic | unknown | unknown | 2 | 15:47.8 | 1 | Voice only |
| 53006 | Globicephala melaena | 6/11/1953 | W.N.Atlantic | N41 | W070 | 2 | 16:12.4 | 5 | Overloaded a bit; Whistles. Data on 1 and voice on 2 |
| 54001 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 06:59.8 | 9 | Ambient low. Very good recording of pilot whale whistles. |
| 54002 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:10.1 | 7 | Ambient low in beginning of recording then gets a bit too high. Good recording of pilot whale whistles. |
| 54003 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:07.9 | 8 | Ambient low. Very good recording of pilot whale whistles. |
| 54004 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:07.0 | 8 | Ambient low. Very good recording of pilot whale whistles. |

| 54005 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:10.4 | 7 | Ambient low. Pilot whales mostly silent. Motor boats in area attempting to drive the whales. Good recording. |
|--------|-------------------------|------------|---|-----|------|---|----------|---|--|
| 54006 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 07:56.8 | 8 | Ambient low. Very good recording of pilot whale whistles. |
| 54007 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:02.4 | 7 | Ambient low. Pilot whales mostly silent. Motor boats in area attempting to drive the whales. Good recording. |
| 54008 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:22.1 | 5 | Ambient low. Pilot whales mostly silent. Motor boats in area attempting to drive the whales. |
| 54009 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:36.9 | 6 | Whale drive and lancing. Some whistles. Mostly ambient sounds of boats. |
| 54010 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 08:37.4 | 6 | Whale drive onto beach. Some whistles. Ambient sounds of boats. |
| 54019 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 16:35.6 | 8 | Copy of field tapes, Dildo Arm. Copied 6/VII/54 |
| 54020 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfound | N48 | W053 | 1 | 16:18.1 | 7 | Copy of field tapes, Dildo Arm. Copied 6/VII/54, reel #2 |
| 54024 | Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 16:01.9 | 8 | Copy of field tapes, Dildo Arm. Copied 6/VII/54, reel #3 good |
| 54025 | Globicephala melaena | 7/28/1954 | Trinity Bay, Newfoundland | N48 | W053 | 1 | 16:00.0 | 8 | Pothead drive, Chapel Arm, copy of field tapes, 6/VIII/54, |
| 58037 | Globicephala melaena | 8/2/1958 | 90 mi E of Gibraltar | N36 | W004 | 2 | 30:54.5 | 4 | Overloaded. |
| 58001 | Globicephala melaena | 8/5/1958 | WNA | N39 | W072 | 2 | 11:11.9 | 8 | Voice on CH2. Low ambient. Good pilot whale whistles in the beginning. Good recording. |
| 60014 | Globicephala melaena | 9/8/1960 | N of Prince Edward Island, Canada | N42 | W065 | 1 | 7:55.606 | 7 | Copy of a tape recorded by MacPherson. Good recording. Low ambient. |
| 61009 | Globicephala melaena | 6/19/1961 | Woods Hole, MA | N41 | W070 | 1 | 32:41.4 | 2 | Mostly chat |
| 61009A | Globicephala melaena | 6/19/1961 | Woods Hole, MA | N41 | W070 | 1 | 08:31.9 | 2 | Mostly chat |
| 61082 | Globicephala melaena | 8/18/1961 | Near New England Seamounts | N37 | W065 | 2 | 33:15.0 | 3 | Not a good tape. electrical noise. |
| 61083 | Globicephala melaena | 10/10/1961 | Pemaquid Pt Lt., ME | N43 | W069 | 2 | 15:17.3 | 6 | Good tape. Whistles. |
| 64006 | Globicephala melaena | 7/7/1964 | 1 mi. NE West Chop, Martha's Vineyard, MA | N42 | W070 | 2 | 16:49.7 | 3 | Clicks throughout the recording. Overloaded. Not a very good recording. |

| 64007 | Globicephala melaena | 7/7/1964 | 1 mi. NE West Chop, Martha's Vineyard, MA | N42 | W070 | 2 | 08:23.6 | 3 | Nearby ship engine noise throughout recording. Clicks throughout the recording. |
|-------|---|--------------------------|---|---------|---------|---|---------|---|--|
| 61081 | Globicephala melaena | 8/13/1961 - 8/14/1961 | Near New England Seamounts | N38 | W065 | 2 | 33:13.6 | 3 | Not a good tape. Speeds variable; electrical noise. |
| 54041 | Globicephala melaena | 8/20/1954 - 8/24/1954 | Newfoundland | N48 | W050 | 2 | 16:01.8 | 8 | Submarine recording of ambient and pilot whale whistles with reverb. Very low ambient. Good recording. |
| 52056 | Globicephala melaena | | S of Iceland | N63 | W017 | 1 | 07:47.8 | | Good recording of pilot whale whistles. |
| 56034 | Globicephala melaena; Megaptera novaeangliae | 9/20/1956 | Georges Bank | N42 | W067 | 1 | 08:03.9 | 7 | Low ambient. Silent ship. A few faint pilot whale whistles and a few humpback moans. Good recording. |
| 56035 | Globicephala melaena; Megaptera novaeangliae | 9/20/1956 | Georges Bank | N42 | W067 | 1 | 07:06.0 | 6 | Low ambient. Silent ship. A few faint pilot whale whistles. Noise calibration. |
| 57028 | Globicephala melaena; Physeter catodon | 7/22/1957 | Mid-Atlantic coast of US | N49 | W067 | 2 | 12:51.9 | 6 | Ch 2 data; ch 1 voice. Loud phone bumping throughout recording. Sperm whales in the beginning. |
| 52053 | Grampus griseus | 8/21/1952 | 70 mi S Block Is, R. I. | N39 | W073 | 1 | 04:25.6 | 7 | HP (1000Hz) filtered copy of a Bear recording. A few Grampus bursts. Good recording. |
| 52054 | Grampus griseus | 8/21/1952 | New York | N40 | W071 | 1 | 11:51.2 | 7 | Copied through a 10 kHz HP filter. Echosounder is present. A few Grampus buzzes. Good recording. |
| 52058 | Grampus griseus | 8/21/1952 | New York | unknown | unknown | 1 | 13:41.7 | 5 | Ambient consists of ship generator noise. Grampus buzzes are a bit faint. |
| 52051 | Grampus griseus | 8/21/1952 | unknown | N39 | W073 | 1 | 16:17.6 | 3 | High ambient of ship generator noise. Grampus buzzes are faint and few. |
| 57022 | Grampus griseus | 3/21/1957 | 10 mi. N of Bimini, Tongue of the Ocean | N25 | W079 | 1 | 03:17.2 | 8 | Copy of Grampus recording, tape 57020. Good recording. |
| 57020 | Grampus griseus | 3/21/1957 | NW arm Tongue of the Ocean | N25 | W077 | 1 | 02:44.3 | 7 | Good recording. |
| 58003 | Grampus griseus | 8/6/1958 | WNA | N39 | W072 | 2 | 15:57.9 | 5 | Voice on 1; data on 2. Ship engines in background. Grampus buzzes |
| 59010 | Grampus griseus | 7/25/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 16:34.3 | 5 | Data and voice on Ch1. Moderate ambient of possible electrical noise. No sounds detected. |
| 59011 | Grampus griseus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 08:11.2 | 6 | Data and voice on Ch1. Moderate ambient of possible electrical noise. Grampus sounds detected. |

| 59012 | Grampus griseus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 08:02.5 | 7 | Data and voice on Ch1. Low ambient. Grampus sounds throughout. Good recording. |
|-------|--|-----------|---|---------|---------|---|----------|---|---|
| 59013 | Grampus griseus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 08:02.5 | 7 | Data and voice on Ch1. Low ambient. Grampus sounds throughout. Good recording. |
| 59014 | Grampus griseus | 7/26/1959 | Off VA near Phoenix Canyon | N38 | W074 | 1 | 08:17.6 | 3 | Data and voice on CH1. Recorder speed problems. Poor recording. |
| 59029 | Grampus griseus | 7/29/1959 | Off VA near South Heves Canyon | N38 | W073 | 2 | 15:54.8 | 8 | Data on Ch1 and voice on Ch2. Low ambient. Good Grampus pulses. Good recording. |
| 59030 | Grampus griseus | 7/29/1959 | Off VA near South Heves Canyon | N38 | W073 | 2 | 15:27.7 | 8 | Data on Ch1 and voice on Ch2. Low ambient. Good Grampus pulses. Good recording. |
| 60003 | Grampus griseus | 7/6/1960 | Buzzards Bay, MA | N40 | W070 | 1 | 8:03.821 | 6 | Ambient is moderate to low. Ambient of water splashes. A few Grampus buzzes. Good recording. |
| 60004 | Grampus griseus | 7/6/1960 | Buzzards Bay, MA | N40 | W070 | 1 | 5:31.450 | 5 | Ambient is moderate, consisting of water splashes and phone bumps. A few buzzes in the beginning. |
| 64035 | Grampus griseus | 7/27/1964 | Isla Maria Magdalena, Nayarit, Mexico | N21 | W107 | 2 | 08:06.9 | 5 | Phone bumping. Grampus pulsed click series. |
| 52055 | Grampus griseus, Globicephala macrorhynchus | 8/8/1952 | New York; Bermuda | N40 | W071 | 1 | 09:56.6 | 7 | Copied through a 10 kHz HP filter. Grampus buzzes recorded off NY. The pilot whale whistles were originally recorded on 8 April 1952 onboard the Caryn off Bermuda. Echosounder is present. Good recording. |
| 63029 | Grampus griseus, Lagenorhynchus obliquidens, Tursiops truncatus | //1963 | Japan | N43 | E143 | 1 | 05:05.5 | 6 | Good recordings. Some water noise and phone bumping. |
| 59028 | Grampus griseus; Stenella coeruleoalba | 7/29/1959 | Off VA near South Heves Canyon | N38 | W073 | 2 | 16:18.2 | 5 | Data on Ch1 and voice on Ch2. High ambient during first half of tape from ship noise. Second half has lower ambient and good Grampus pulses. No obvious sounds from Stenella. |
| 63001 | Halichoerus grypus | 1/21/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:05.6 | 5 | Water splashing throughout recording. Clicks. |
| 63002 | Halichoerus grypus | 1/21/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 14:49.0 | 5 | Water splashing throughout recording. Clicks. |

| 63011 | Halichoerus grypus, Callorhinus ursinus | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:04.1 | 5 | Quiet. |
|-------|--|-----------|--|---------|---------|---|-----------|---|--|
| 63007 | Halichoerus grypus, Odobenus rosmarus | 1/22/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:05.8 | 7 | A few sounds. |
| 64137 | Homo sapiens | //1964 | Auditory Branch of the Medical Research Laboratory, Groton, Connecticut | unknown | unknown | 1 | 05:05.7 | 5 | Helium and its effects upon speech. |
| 57033 | Homo sapiens | 3/28/1957 | unknown | N33 | W076 | 1 | 01:11.2 | 5 | Val Worthington attempts to imitate sperm whale sounds. |
| 61099 | Homo sapiens | 5/13/1966 | Gambell, AK | unknown | unknown | 1 | 17:02.603 | 9 | Eskimo dance |
| 61100 | Homo sapiens | 5/15/1966 | Gambell, AK | unknown | unknown | 1 | 15:55.875 | 9 | Eskimo dance |
| 64001 | Ice | 3/21/1963 | Jan Mayen Island | N71 | W009 | 1 | 07:41.4 | 5 | Ice. Ambient |
| 65010 | Ice | 5/1/1965 | Beaufort Sea | N73 | W156 | 1 | 1:28.1 | 4 | Ice sounds. Recording is overloaded. |
| 70021 | Ice, Erignathus barbatus | 5/13/1970 | N beach of Gambell, St Lawrence I., Alaska | N63 | W171 | 1 | 08:13.0 | 6 | High ambient noise. Trills in background. Good recording of ice. |
| 70025 | Ice, Erignathus barbatus | 5/22/1970 | 10 mi. SW Gambell, St. Lawrence I., Alaska | N63 | W171 | 1 | 04:30.0 | 5 | Ambient of ice buzzes. Bearded seals in background. |
| 57034 | Ice; Ambient | 4/30/1957 | Arctic | unknown | unknown | 2 | 31:25.7 | 7 | Naval Electronics Lab recording of Arctic ambient incl. ice and bearded seals. Good recording. |
| 56002 | Inia geoffrensis | 3/9/1956 | Silver Springs, FL | N25 | W080 | 1 | 05:27.4 | 4 | Overloaded. Mostly voice. |
| 56003 | Inia geoffrensis | 3/10/1956 | Silver Springs, FL | N25 | W080 | 1 | 08:21.3 | 5 | Voice and ambient, but no animal sounds. Voice overloaded. |
| 56004 | Inia geoffrensis | 3/12/1956 | Silver Springs, FL | N25 | W080 | 1 | 08:35.5 | 5 | Voice and ambient, but no animal sounds. Voice overloaded. |
| 56005 | Inia geoffrensis | 3/12/1956 | Silver Springs, FL | N25 | W080 | 1 | 05:04.3 | 5 | Voice and ambient, but no animal sounds. Voice overloaded. |
| 56036 | Inia geoffrensis | 10/2/1956 | Silver Springs, Fla. | N25 | W080 | 1 | 08:08.7 | 7 | Low ambient. A few very faint Inia sounds. Good recording. |
| 56037 | Inia geoffrensis | 10/2/1956 | Silver Springs, Fla. | N25 | W080 | 1 | 08:06.3 | 7 | Low ambient. A few clicks and squeals from Inia. Good recording. |
| 56038 | Inia geoffrensis | 10/2/1956 | Silver Springs, Fla. | N25 | W080 | 1 | 08:08.2 | 7 | Low ambient. A few clicks and squeals from Inia. Good recording. |

| 56039 Inia geoffrensis 10/2/1956 Silver Spri | ngs, N25 W | V080 1 | 08:05.0 | 7 | Low ambient. A few clicks and squeals |
|--|-------------|---------|-----------|---|---|
| Fla. | | | | • | from Inia. Good recording. |
| 56040 Inia geoffrensis 10/2/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:08.5 | 8 | Low ambient, mostly. Electrical noise is sporadic. Good squeals and clicks on occasion. Good recording. |
| 56041 Inia geoffrensis 10/2/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:07.9 | 8 | Low ambient. A few good click series from Inia. Good recording. |
| 56042 Inia geoffrensis 10/2/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:10.6 | 7 | Low ambient. A few good clicks, but low level. Good recording. |
| 56043 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:08.7 | 8 | Low ambient. Good clicks series. Good recording. |
| 56044 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:04.2 | 8 | Low ambient. A few good clicks series. Good recording. |
| 56045 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:08.8 | 6 | Low ambient. Very few clicks. Good recording. |
| 56046 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:01.5 | 6 | Low ambient. Very few clicks. Good recording. |
| 56047 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 8.80:80 | 8 | Low ambient. Good clicks series and squeals. Very good recording. |
| 56048 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:09.2 | 8 | Low ambient. Good chirps and squeals accompanied by bubbles from blow hole. Very good recording. |
| 56049 Inia geoffrensis 10/3/1956 Silver Spri Fla. | | V080 1 | 08:05.2 | 8 | Low ambient. A few good clicks series. Good recording. |
| 56050 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:03.4 | 8 | Low ambient Chirps and loud clicks.Good recording. |
| 56051 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:04.8 | 8 | Low ambient Chirps and loud clicks.Good recording. |
| 56052 Inia geoffrensis 10/3/1956 Silver Spri Fla. | ngs, N25 W | V080 1 | 08:06.3 | 8 | Low ambient Loud click series during feeding. Good recording. |
| 56054 Inia geoffrensis 10/2/1956 - Silver Spri 10/3/1956 - Fla. | ngs, N25 W | V080 1 | 07:30.0 | 8 | Inia selections for master recording. |
| 56054A Inia geoffrensis 10/2/1956 - Silver Spri 10/3/1957 Fla. | ngs, N25 W | V080 1 | 07:28.7 | 8 | Inia selections for master recording. |
| 59036 Jet boat engine 11/19/1959 Great Harl Woods Ho | - 7 | V071 1 | 03:32.991 | 5 | Recording of Dutch hydraulic jet propelled launch. |
| 54021 Lagenorhynchus 9/14/1954 Off MA acutus | unknown unk | known 1 | 16:08.9 | 5 | One female collected from this pod. At least one calf in the pod. Recorder troubles. |
| 54021B Lagenorhynchus 9/14/1954 Off MA acutus | unknown unk | known 1 | 15:22.6 | 5 | Dub of 54-21. One female collected from this pod. At least one calf in the pod. Recorder troubles. |
| 54022 Lagenorhynchus 9/14/1954 Off MA acutus | unknown unk | known 1 | 15:19.3 | 3 | Dub of 54-21. One female collected from this pod. At least one calf in the pod. Recorder troubles. |

| 61072 | Lagenorhynchus acutus | 9/30/1961 | S of Georges Basin, MA | N42 | W067 | 2 | 15:56.0 | 9 | Low ambient. Very good tape. Whistles; Clicks. Very good recording. |
|--------|---|--------------------------------------|--|-----|------|---|-----------|---|--|
| 61075 | Lagenorhynchus acutus | 9/30/1961 | S of Georges Basin, MA | N42 | W067 | 2 | 16:50.8 | 6 | Faint whistles around 12 kHz. Noise cal. at end of tape.Good recording. Engine noise throughout. |
| 77006 | Lagenorhynchus acutus, Balaenoptera physalus, Megaptera novaeangliae | 5/5/1977 | Cape Cod Bay, MA | N41 | W071 | 4 | 28:21.1 | 8 | Low level Lags in the beginning. 20 Hz fin calls present. Low ambient throughout recording. Good recording. |
| 59037a | Lagenorhynchus albirostris | 2/28/1959 | Balaenoptera physalus | N43 | W070 | 1 | 1:40.582 | 8 | Selection from cue 22-200 prepared for Whale and Porpoise Voices recording. Low ambient. Very good recording. |
| 59037 | Lagenorhynchus albirostris | 2/28/1959 | Cape Porpoise, ME | N43 | W070 | 2 | 14:10.000 | 6 | Data on Ch2 and voice on Ch1. Low ambient. Good Lag. sounds in beginning of tape. Good recording. |
| 70011 | Lagenorhynchus albirostris | 4/13/1970 | Race Point, Cape Cod Bay, MA | N42 | W070 | 4 | 16:15.7 | 5 | Ambient recording with much ship noise. |
| 58017 | Lagenorhynchus albirostris | //1958 | Cape Porpoise, ME | N43 | W070 | 1 | 08:09.6 | 4 | Overloaded. Pulsed clicks and buzzes. |
| 64136 | Lagenorhynchus obliquidens | 9/22/1964 | Point Magu, CA | N34 | W119 | 1 | 26:05.8 | 5 | Phone bumps are loud. Wind? Some whistles |
| 63020 | Lagenorhynchus obliquidens, Tursiops truncatus, Primates, Aves | 10/11/1959; 3/19/1961; 4//1962 | Japan | N43 | E143 | 2 | 11:15.1 | 2 | Poor recording. Overloaded. |
| 64122 | Lagenorhynchus obscurus | 12/13/1964 | 5 miles southeast of Kaikoura Peninsula, New Zealand | S45 | E167 | 2 | 08:11.8 | 8 | Phone in 30 ft. of water. Some delphinid clicks. Overloaded at times. Recording of clicks and pulsed click bursts. |
| 64126 | Lagenorhynchus obscurus | 12/13/1964 | 5 miles southeast of Kaikoura, New Zealand | S45 | E167 | 2 | 51:50.4 | 8 | Very good recording of clicks and click bursts. Animals are close by. |
| 64124 | Lagenorhynchus obscurus | 12/13/1964 | 5 to 6 miles southeast of Kaikoura Head, New Zealand | S45 | E167 | 2 | 08:09.3 | 8 | Very good recording of clicks and click bursts. Some water splashes and phone bumps. Some overloading in second half of recording. Animals are close by. |

| 64123 | Lagenorhynchus obscurus | 12/13/1964 | 5 to 6 miles southeast of Kaikoura Peninsula, New Zealand | S45 | E167 | 2 | 08:17.5 | 8 | |
|---------------|----------------------------|--|---|-----|------|---|---------|---|--|
| 64130 | Lagenorhynchus obscurus | 12/15/1964 | Tory Channel, New Zealand | S45 | E167 | 2 | 08:16.6 | 5 | Quiet recording. Ambient consists of water flow noise. In presence of Lags. passing by ship. |
| 63042 | Lagenorhynchus obscurus | 3/6/1963; 3/8/1963; 3/10/1963 - 3/11/1963 | Cedros Island, Baja California | N28 | W115 | 2 | 38:42.6 | 3 | Overloaded. |
| 64115 | Lagenorhynchus sp. | 12/8/1964 | North end of Acheron Passage, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:12.7 | 3 | Loud ambient.Phone sloshing in water. No animal sounds detected. |
| 63034 | Leptonychotes weddelli | 10/26/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 25:00.0 | 6 | Weddell calls are overloaded at times. |
| 63034 copy | Leptonychotes weddelli | 10/26/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 24:58.5 | 6 | Weddell calls are overloaded at times. Loud ambient at times. |
| 63035 | Leptonychotes weddelli | 10/26/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 20:40.0 | 3 | Poor recording. Overloaded. Divers, engines, etc. |
| 63035 copy | Leptonychotes weddelli | 10/26/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 20:23.4 | 4 | Poor recording. Overloaded. Divers, engines, etc. |
| 63036 | Leptonychotes weddelli | 11/12/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 18:44.0 | 4 | Weddell calls are overloaded at times. Loud ambient at times. |
| 63036 copy | Leptonychotes weddelli | 11/12/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 19:11.8 | 4 | Weddell calls are overloaded at times. Loud ambient at times. |
| 63037 | Leptonychotes weddelli | 11/12/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 25:03.7 | 5 | Divers, and engine noise are quite loud. Some seal. |
| 63037 copy | Leptonychotes weddelli | 11/12/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 24:38.3 | 5 | Divers, and engine noise are quite loud. Some seal. |
| 63038 | Leptonychotes weddelli | 11/12/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 24:53.8 | 6 | Seal sounds are a bit overloaded at times. Electrical noise throughout recording. |
| 63038 copy | Leptonychotes weddelli | 11/12/1963 | McMurdo Sound, Antarctica | S77 | E166 | 1 | 25:00.0 | 6 | Seal sounds are a bit overloaded at times. Electrical noise throughout recording. |
| 63039 | Leptonychotes weddelli | 11/13/1963 | Turtle Rock, McMurdo Sound, Antarctica | S77 | E166 | 1 | 33:16.0 | 5 | In-air sounds. Bit overloaded. |
| 63039 copy | Leptonychotes weddelli | 11/13/1963 | Turtle Rock, McMurdo Sound, Antarctica | S77 | E166 | 1 | 35:27.4 | 5 | In-air sounds. Bit overloaded. |

| 64053 | Leptonychotes weddelli | 10/23/1964 | 1 mi. NW Hut Point, McMurdo Sound, Antarctica | S77 | E170 | 1 | 14:56.8 | 5 | Ice, machinery, footsteps, wind. Distant seal sounds. |
|-------|---------------------------|------------|---|-----|------|---|---------|---|---|
| 64138 | Leptonychotes weddelli | 10/23/1964 | Ice Station, McMurdo Sound, Antarctica | S77 | E166 | 1 | 16:43.1 | 7 | Quiet recording. Weddell seal trills and human footsteps on ice and snow. Good recording. |
| 64037 | Leptonychotes weddelli | 10/24/1964 | Razor Back Rock, Antarctica | S77 | E166 | 2 | 08:19.0 | 7 | A few seal sounds. |
| 64038 | Leptonychotes weddelli | 11/2/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:18.3 | 9 | Very good recording |
| 64040 | Leptonychotes weddelli | 11/4/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:20.5 | 8 | Trills. Quiet ambient. Good recording. |
| 64041 | Leptonychotes weddelli | 11/4/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:21.4 | 8 | Trills. Quiet ambient. Good recording. |
| 64042 | Leptonychotes weddelli | 11/4/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:30.0 | 9 | Trills. Quiet ambient. Good recording. |
| 64043 | Leptonychotes weddelli | 11/4/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:30.0 | 9 | Trills. Quiet ambient. Good recording. |
| 64039 | Leptonychotes weddelli | 11/4/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:22.7 | 5 | Trills; machinery noise. |
| 64044 | Leptonychotes weddelli | 11/5/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:29.2 | 9 | Trills. Quiet ambient. Good recording. |
| 64045 | Leptonychotes weddelli | 11/5/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:30.1 | 9 | Trills. Quiet ambient. Good recording. |
| 64046 | Leptonychotes weddelli | 11/6/1964 | 2.25 mi. W of Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 2 | 16:24.9 | 9 | Trills. Quiet ambient. Good recording. |
| 64047 | Leptonychotes weddelli | 11/8/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:26.8 | 9 | Trills. Quiet ambient. Good recording. |
| 64048 | Leptonychotes weddelli | 11/8/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:35.6 | 9 | Trills. Quiet ambient. Good recording. |

| 64049 | Leptonychotes weddelli | 11/8/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:42.1 | 9 | Trills. Quiet ambient. Good recording. |
|-------|---------------------------|------------|--|-----|------|---|---------|---|---|
| 64050 | Leptonychotes weddelli | 11/8/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:35.5 | 9 | Trills. Quiet ambient. Good recording. |
| 64139 | Leptonychotes weddelli | 11/9/1964 | Ice Station, McMurdo Sound, Antarctica | S77 | E166 | 1 | 16:16.2 | 9 | Quiet recording. Weddell seal trills Good recording. |
| 64052 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:33.3 | 9 | Trills. Quiet ambient. Good recording. |
| 64153 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:33.4 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64154 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:21.6 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64155 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:31.3 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64156 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:06.7 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64157 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:24.5 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64158 | Leptonychotes weddelli | 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:28.1 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64054 | Leptonychotes weddelli | 11/10/1964 | 1/2 mile South of Castle Rock Sulphur Cones, Antarctica | S77 | E165 | 2 | 08:08.4 | 6 | Distant seal sounds; footsteps. |
| 64055 | Leptonychotes weddelli | 11/10/1964 | 1/2 mile South of Castle Rock Sulphur Cones, Antarctica | S77 | E165 | 2 | 08:19.3 | 8 | Trills. Quiet ambient. Good recording. |
| 64056 | Leptonychotes weddelli | 11/10/1964 | 1/2 mile South of Castle Rock Sulphur Cones, Antarctica | S77 | E165 | 2 | 08:16.2 | 7 | Distant seal sounds; footsteps. |
| 64057 | Leptonychotes weddelli | 11/10/1964 | 1/2 mile South of Castle Rock Sulphur Cones, Antarctica | S77 | E165 | 2 | 08:12.1 | 7 | Distant seal sounds; footsteps. |
| 64159 | Leptonychotes weddelli | 11/10/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:35.4 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64160 | Leptonychotes weddelli | 11/10/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:43.7 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64161 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:37.4 | 9 | Very good recording of Weddell seals. Quiet ambient. |
| 64162 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:39.2 | 9 | Very good recording of Weddell seals. Quiet ambient. |

| 64163 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:34.9 | 8 | Very good recording of Weddell seals. Quiet ambient. |
|-------|---------------------------|------------|------------------------------|-----|------|---|---------|---|---|
| 64164 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:28.2 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64165 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:19.6 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64166 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:26.9 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64167 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:26.3 | 5 | Distant seal sounds. Water splashing is a bit loud. Fair recording. |
| 64168 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:40.7 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64169 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:30.7 | 9 | Nearby seal sounds. Quiet ambient. Good recording. |
| 64170 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:38.8 | 9 | Not too distant seal sounds. Quiet ambient. Good recording. |
| 64171 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 4 | 31:52.0 | 7 | Ambient a bit loud. Good recording. |
| 64172 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 4 | 32:55.6 | 3 | Ambient very loud. Generator noise? Animals close by. |
| 64173 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:41.2 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64175 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:42.6 | 8 | Good recording. Quiet ambient. |
| 64176 | Leptonychotes weddelli | 11/11/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:39.6 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64177 | Leptonychotes weddelli | 11/13/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:39.2 | 8 | Distant seal sounds. Quiet ambient. Good recording. |
| 64178 | Leptonychotes weddelli | 11/13/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:39.4 | 7 | Distant seal sounds. Quiet ambient. Good recording. |
| 64179 | Leptonychotes weddelli | 11/13/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:26.3 | 8 | Good recording. Very quiet ambient. Seals are not too distant. |
| 64180 | Leptonychotes weddelli | 11/13/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:12.5 | 8 | Good recording. Very quiet ambient. Seals are not too distant. |
| 64181 | Leptonychotes weddelli | 11/14/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:41.6 | 8 | Good recording. Very quiet ambient. Seals are not too distant. |
| 64174 | Leptonychotes weddelli | 11/15/1964 | McMurdo Sound, Antarctica | S77 | E166 | 4 | 32:12.9 | 3 | Ambient very loud. Generator noise? Animals close by. |
| 64182 | Leptonychotes weddelli | 11/15/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:19.3 | 8 | Good recording. Very quiet ambient. Seals are not too distant. |
| 64183 | Leptonychotes weddelli | 11/15/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:25.0 | 8 | Good recording. Very quiet ambient. Seals are not too distant. |
| 64184 | Leptonychotes weddelli | 11/15/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:25.6 | 7 | Distant seal sounds. Quiet ambient. Good recording. |
| | | | | | | | | | |

| 64185 | Leptonychotes weddelli | 11/15/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:42.9 | 8 | Distant seal sounds in first half then some very close up trills. Quiet ambient. |
|-------|---------------------------|----------------------------|--|-----|------|---|---------|---|---|
| | weddelli | | Antarctica | | | | | | Good recording. |
| 64186 | Leptonychotes weddelli | 11/15/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:35.8 | 7 | Distant seal sounds. Quiet ambient. Good recording. |
| 64187 | Leptonychotes weddelli | 11/16/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:43.7 | 9 | Seal sounds are very loud. Very good recording. |
| 64188 | Leptonychotes weddelli | 11/16/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:45.3 | 8 | Seal sounds are loud. Good recording. Quiet ambient. |
| 64189 | Leptonychotes weddelli | 11/16/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:28.1 | 9 | Seal sounds are very loud. Very good recording. Quiet ambient. |
| 64190 | Leptonychotes weddelli | 11/16/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:30.0 | 8 | Seal sounds are loud. Good recording. Quiet ambient. |
| 64142 | Leptonychotes weddelli | 11/17/1964 | Castle Rock Sulphur Cones, Antarctica | S77 | E166 | 1 | 16:20.5 | 9 | Small colony of seals. Good Weddell seal recording. Quiet ambient. |
| 64061 | Leptonychotes weddelli | 11/17/1964 | Hutton Cliffs, McMurdo Sound, Antarctica | S77 | E166 | 1 | 40:40.8 | 7 | Pupping colony. Trills. Quiet ambient. Good recording. Some distortion of close trills. |
| 64062 | Leptonychotes weddelli | 11/17/1964 | Hutton Cliffs, McMurdo Sound, Antarctica | S77 | E166 | 1 | 16:07.8 | 6 | Trills. Quiet ambient. Good recording. Some distortion of close trills. |
| 64140 | Leptonychotes weddelli | 11/17/1964 | Hutton Cliffs, McMurdo Sound, Antarctica | S77 | E166 | 1 | 16:23.9 | 9 | Near pupping colony. Weddell seal trills. Good recording. Quiet ambient. |
| 64141 | Leptonychotes weddelli | 11/17/1964 | Hutton Cliffs, McMurdo Sound, Antarctica | S77 | E166 | 1 | 16:22.4 | 9 | Near pupping colony. Weddell seal trills. Good recording. Quiet ambient. |
| 64193 | Leptonychotes weddelli | 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:11.9 | 8 | Seal sounds are loud. Good recording. Quiet ambient. |
| 64194 | Leptonychotes weddelli | 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:38.8 | 8 | Seal sounds are loud. Good recording. Quiet ambient. |
| 64195 | Leptonychotes weddelli | 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:21.0 | 9 | Seal sounds are very loud at times. Very good recording. Quiet ambient. |
| 64196 | Leptonychotes weddelli | 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:43.3 | 7 | Seal sounds not too distant. Some voice and footsteps on occasion. Wind and ice. |
| 64198 | Leptonychotes weddelli | 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:36.3 | 9 | Playback to Weddell seals via Harris C- 1 trans. Good recording. |
| 64192 | Leptonychotes weddelli | 11/16/1964 - 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:36.0 | 8 | Seal sounds are loud. Good recording. Quiet ambient. Some bits of voice in background. |
| 64197 | Leptonychotes weddelli | 11/16/1964 - 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 4 | 32:54.7 | 7 | Seal sounds are very loud at times. Recording is overloaded on occasion. |
| 64147 | Leptonychotes weddelli | 11/22/1964; 1/20/1966 | Cape Crozier, Antarctica | S77 | E169 | 1 | 05:31.6 | 7 | Ice sounds and Weddell seal trills. A bit overloaded. |

| 64051 | Leptonychotes weddelli | 11/8/1964 - 11/9/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:25.4 | 9 | Trills. Quiet ambient. Good recording. |
|-------|--|--------------------------|---|---------|---------|---|---------|---|---|
| 64191 | Leptonychotes weddelli | 11/9/1964; 11/17/1964 | McMurdo Sound, Antarctica | S77 | E166 | 2 | 33:17.1 | 9 | Seal sounds are very loud. Very good recording. Quiet ambient. |
| 34001 | Leptonychotes weddelli; Aptenodytes forsteri | 11/19/1934 | McMurdo Sound, Antarctica | \$77 | E166 | 1 | 09:38.6 | 7 | Copy of original Lindsey disk, recorded in-air but includes under-ice sounds heard through the ice. Low level of ambient noise. Very good in-air recording. |
| 64144 | Leptonychotes weddelli; Aves | 11/22/1964 | Cape Crozier, Antarctica | S77 | E169 | 1 | 17:20.7 | 8 | Seals, penguins, ice sounds, water splashes. Good recording, good ambient recording. |
| 64059 | Leptonychotes weddelli; Hydrurga leptonyx | 11/22/1964 | Cape Crozier, Antarctica | S77 | E170 | 1 | 16:27.2 | 8 | Trills. Quiet ambient. Good recording. |
| 64060 | Leptonychotes weddelli; Ice | 11/9/1964 | 2 1/2 mi. E Castle Rock, McMurdo Sound, Antarctica CC5A | S77 | E166 | 1 | 16:00.5 | 7 | Trills. Quiet ambient. Good recording. |
| 64063 | Leptonychotes weddelli; Ice | 11/17/1964 | Sulphur Cones, Castle Rock, McMurdo Sound, Antarctica | S77 | E166 | 1 | 16:08.6 | 7 | Trills. Footsteps. Good recording. |
| 65007 | Leptonychotes weddelli; Lobodon carcinophagus | 2/16/1965 | NY Aquarium, NY | unknown | unknown | 1 | ##### | 5 | Feeding of seals in aquarium. Mostly water splashes. |
| 64079 | Leptonychotes weddellii | 11/17/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:22.8 | 7 | Playback experiment. Good seal sounds. |
| 64080 | Leptonychotes weddellii | 11/17/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:25.9 | 7 | Playback experiment. Good seal sounds. |
| 64081 | Leptonychotes weddellii | 11/17/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:20.3 | 9 | Playback experiment. Good seal sounds. |
| 64082 | Leptonychotes weddellii | 11/17/1964 | McMurdo, Antarctica | S77 | E166 | 1 | 08:14.9 | 9 | Playback experiment. Good seal sounds. |
| 64083 | Leptonychotes weddellii | 11/17/1964 | McMurdo, Antarctica | S77 | E166 | 1 | 08:53.6 | 9 | Playback experiment. Good seal sounds. |
| 64084 | Leptonychotes weddellii | 11/18/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 13:15.1 | 9 | Playback experiment. Good seal sounds. |
| 64085 | Leptonychotes weddellii | 11/18/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:21.6 | 9 | Playback experiment. Good seal sounds. |
| 64086 | Leptonychotes weddellii | 11/18/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:25.1 | 9 | Playback experiment. Good seal sounds. |

| 64087 | Leptonychotes weddellii | 11/18/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:20.0 | 9 | Playback experiment. Good seal sounds. |
|-------|---|------------|---|-----|------|---|---------|---|---|
| 64088 | Leptonychotes weddellii | 11/18/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:23.9 | 9 | Playback experiment. Good seal sounds. |
| 64089 | Leptonychotes weddellii | 11/19/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:23.9 | 9 | Playback experiment. Good seal sounds. |
| 64090 | Leptonychotes weddellii | 11/19/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:26.7 | 7 | Ambient a bit loud; wind. Trills are distant in beginning, then get closer. Good. |
| 64091 | Leptonychotes weddellii | 11/19/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:29.6 | 8 | Good trills. Low ambient. |
| 64092 | Leptonychotes weddellii | 11/20/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 17:51.5 | 8 | Good trills. Low ambient. Some footsteps. |
| 64093 | Leptonychotes weddellii | 11/20/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 16:22.5 | 7 | Good trills. Low ambient. |
| 64094 | Leptonychotes weddellii | 11/20/1964 | McMurdo, Antarctica | S77 | E166 | 2 | 17:36.0 | 7 | Good trills. Low ambient. Some footsteps. |
| 64100 | Leptonychotes weddellii | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:20.0 | 6 | Trills a bit distant. |
| 64101 | Leptonychotes weddellii | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:11.7 | 7 | Trills a bit distant. |
| 64105 | Leptonychotes weddellii | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:20.0 | 8 | Good recording of Weddell seals. Quiet ambient. |
| 64099 | Leptonychotes weddellii; Aptenodytes forsteri | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:23.0 | 4 | High ambient noise. Trills in background. |
| 64098 | Leptonychotes weddellii; Hydrurga leptonyx; Aptenodytes forsteri | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:10.9 | 8 | Good trills. Good recording. Quiet ambient. |
| 64106 | Leptonychotes weddellii; Ice | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:14.1 | 7 | Much ice noise at beginning. Good recording. |
| 64095 | Leptonychotes weddellii; Ice; Aptenodytes forsteri | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:17.7 | 8 | Good trills. Ice cracks sometimes loud. |

| 64096 | Leptonychotes weddellii; Ice; Aptenodytes forsteri | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:13.3 | 8 | Good trills. Ice cracks sometimes loud. |
|-------|---|------------|--|---------|---------|---|---------|---|--|
| 64097 | Leptonychotes weddellii; Ice; Aptenodytes forsteri | 11/22/1964 | Cape Crozier, Ross Island, Antarctica | S77 | E170 | 2 | 08:14.5 | 8 | Good trills. Ice cracks sometimes loud. |
| 65041 | Lobodon carcinophagus; Leptynochotes weddelli | 5/18/1905 | Antarctica | unknown | unknown | 1 | 16:15.6 | 5 | some distant seals; ambient. |
| 48001 | Megaptera novaeangliae | 4/13/1948 | Bermuda | N32 | W064 | 1 | 15:17.7 | 6 | Recording is a bit overloaded in the beginning. Moderate level of ambient noise. Good recording of humpback calls. Reverberation is present. |
| 51052 | Megaptera novaeangliae | 4/25/1951 | Kaneohe, HI | N21 | W157 | 1 | 15:56.7 | 6 | SOFAR station |
| 52002 | Megaptera novaeangliae | 4/8/1952 | 6 mi off St David's Head, Bermuda | N32 | W064 | 1 | 08:08.3 | 4 | Ship creaks and water slaps. Ambient recording. |
| 52007 | Megaptera novaeangliae | 4/9/1952 | 3.5 mi off south coast of Bermuda | N32 | W064 | 1 | 08:10.8 | 4 | Faint calls. High ambient. Ship creaks and water splashes |
| 52014 | Megaptera novaeangliae | 4/10/1952 | 5-6 mi SE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:21.5 | 4 | Ship noise and water splashes. Mostly high ambient recording. |
| 52011 | Megaptera novaeangliae | 4/10/1952 | 6 mi SE of Bermuda | N32 | W064 | 1 | 08:01.8 | 5 | Faint humpback calls. Mostly good ambient recording. |
| 52013 | Megaptera novaeangliae | 4/10/1952 | 6 mi SE of St. David's Head, Bermuda | N32 | W064 | 1 | 07:50.0 | 4 | Blows are audible. Ambient is high. Ship engine noise and phone bumps. |
| 52010 | Megaptera novaeangliae | 4/10/1952 | S of Bermuda | N32 | W064 | 1 | 08:05.7 | 5 | Ambient recording.Good recording. |
| 52012 | Megaptera novaeangliae | 4/10/1952 | S of Bermuda | N32 | W064 | 1 | 08:09.5 | 5 | Faint humpback calls. Ship noise and water splashes. Mostly ambient recording. |
| 52016 | Megaptera novaeangliae | 4/12/1952 | 6 mi SE of Bermuda | N32 | W064 | 1 | 08:06.6 | 6 | Faint humpback calls throughout. Reverb. present. Ship noise and water splashes. Good recording. |
| 52015 | Megaptera novaeangliae | 4/12/1952 | 6.5 mi E of Castle Harbor, Bermuda | N32 | W064 | 1 | 08:07.5 | 5 | Ship noise and water splashes. Navy ship and others nearby. Mostly high ambient recording. |
| 52017 | Megaptera novaeangliae | 4/12/1952 | 7 mi SE of Bermuda | N32 | W064 | 1 | 08:23.4 | 5 | Ambient recording. |

| 52018 | Megaptera novaeangliae | 4/12/1952 | 9 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:24.2 | 6 | Faint moans. Low ambient. Good recording. |
|-------|---------------------------|-----------|---|-----|------|---|---------|---|---|
| 52019 | Megaptera novaeangliae | 4/12/1952 | 9 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:23.1 | 6 | Faint moans. Low ambient. Good recording. |
| 52020 | Megaptera novaeangliae | 4/12/1952 | 9 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:23.3 | 6 | Faint moans. Low ambient. Good recording. |
| 52021 | Megaptera novaeangliae | 4/12/1952 | 9 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:23.7 | 6 | Faint moans. Low ambient. Good recording. |
| 52022 | Megaptera novaeangliae | 4/12/1952 | 9 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:22.9 | 7 | Moans moderately loud. Low ambient. Good recording. |
| 52023 | Megaptera novaeangliae | 4/12/1952 | 9 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:22.2 | 7 | Moans moderately loud. Low ambient. Good recording. |
| 52024 | Megaptera novaeangliae | 4/12/1952 | 9 mi SE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:23.8 | 7 | Moans moderately loud. Low ambient. Good recording. |
| 52039 | Megaptera novaeangliae | 4/13/1952 | 5 mi. E of St. David's Head, Bermuda | N32 | W064 | 1 | 08:09.1 | 5 | Moans and reverb. Ambient of ship creaks, water splashes, phone bumps. |
| 52030 | Megaptera novaeangliae | 4/13/1952 | 5 mi. SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 07:30.9 | 5 | Faint moans. Low ambient. Good recording. Ship creaks, water splashes, phone bumps. |
| 52040 | Megaptera novaeangliae | 4/13/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:09.7 | 5 | Moans and reverb. High ambient of ship creaks, water splashes, phone bumps. Recorder troubles in first half of tape; second half is good. Good recording. |
| 52041 | Megaptera novaeangliae | 4/13/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:15.0 | 4 | Moans and reverb. High ambient of ship creaks, water splashes, phone bumps. So-so recording. |
| 52042 | Megaptera novaeangliae | 4/13/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:09.9 | 4 | Moans and reverb. High ambient of ship creaks, water splashes, phone bumps. So-so recording. |
| 52026 | Megaptera novaeangliae | 4/13/1952 | 6 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:06.6 | 5 | Faint moans. Low ambient. Good recording. |
| 52027 | Megaptera novaeangliae | 4/13/1952 | 6 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:04.0 | 5 | Faint moans. Low ambient. Good recording. |
| 52028 | Megaptera novaeangliae | 4/13/1952 | 6 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:02.6 | 5 | Faint moans. Low ambient. Good recording. Ship creaks, water splashes, phone bumps. |

| 52029 | Megaptera novaeangliae | 4/13/1952 | 6 mi S of St. David's Head, Bermuda | N32 | W064 | 1 | 08:07.9 | 5 | Faint moans. Low ambient. Good recording. Ship creaks, water splashes, phone bumps. |
|-------|---------------------------|-----------|---|-----|------|---|---------|---|---|
| 52031 | Megaptera novaeangliae | 4/13/1952 | Bermuda | N32 | W064 | 1 | 08:08.1 | 5 | Very faint moans. Snapping shrimp. Ambient of ship creaks, water splashes, phone bumps. |
| 52043 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:09.0 | 4 | Moans and reverb. High ambient of ship creaks, water splashes, phone bumps. So-so recording. Recorder troubles. |
| 52044 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:10.0 | 4 | Moans and reverb. High ambient of ship creaks, water splashes, phone bumps. So-so recording. Recorder troubles. |
| 52045 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 32:40.4 | 5 | Loud moans and reverb. High ambient of ship creaks, water splashes, phone bumps. Ok recording, but sounds are a bit overloaded. Second half is a good recording. Recorder troubles in the first half. |
| 52046 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:02.9 | 5 | Loud moans and reverb. High ambient of ship creaks, water splashes, phone bumps. Ok recording, but sounds are a bit overloaded. |
| 52047 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:09.5 | 6 | Loud calls. High ambient of ship creaks, water splashes, phone bumps. Good recording. |
| 52048 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 32:31.1 | 6 | Loud calls. High ambient of ship creaks, water splashes, phone bumps. Good recording. |
| 52049 | Megaptera novaeangliae | 4/14/1952 | 5.5 mi.SSE of St. David's Head, Bermuda | N32 | W064 | 1 | 08:08.2 | 5 | Loud calls. High ambient of ship creaks, water splashes, phone bumps. |
| 52063 | Megaptera novaeangliae | 4/28/1952 | Bermuda | N32 | W064 | 1 | 02:29.3 | 5 | Many close humpback calls, but a bit distorted. |
| 53009 | Megaptera novaeangliae | 4/30/1953 | Sofar Station, Bermuda | N32 | W064 | 1 | 31:33.6 | 8 | Phone at 60 ft. Voice overloaded a bit. Much reverb. Nice recording |
| 54017 | Megaptera novaeangliae | 3/10/1954 | Puerto Rico | N18 | W065 | 1 | 32:29.8 | 2 | Overloaded recording of humpback calls via SOFAR. |
| 54018 | Megaptera novaeangliae | 3/10/1954 | Puerto Rico | N18 | W065 | 1 | 32:18.9 | 3 | Overloaded recording of humpback calls via SOFAR. |
| 55113 | Megaptera novaeangliae | 9/2/1955 | Bermuda | N32 | W064 | 1 | 11:41.8 | 7 | Variety of SOFAR noises from 7 tapes with approx 1-min selections. Good recordings. |
| 58018 | Megaptera novaeangliae | 9/16/1958 | Bermuda | N32 | W064 | 1 | 20:25.8 | 9 | Good recording |
| 61043 | Megaptera novaeangliae | 9/12/1961 | Stellwagen Bank, MA | N42 | W070 | 2 | 16:11.8 | 6 | Low ambient; some humpback sounds |

| 61041 | Megaptera novaeangliae | 9/12/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:13.4 | 5 | Low ambient. |
|--------|--|-----------|--|---------|---------|---|---------|---|--|
| 61042A | Megaptera novaeangliae | 9/12/1961 | Stellwagen Basin, MA | N42 | W070 | 1 | 00:38.9 | 7 | Low ambient; some humpback sounds. |
| 61086 | Megaptera novaeangliae | 12/4/1961 | ME | unknown | unknown | 2 | 44:19.7 | 5 | humpback calls; ambient a bit loud |
| 63019 | Megaptera novaeangliae | 3/26/1963 | Argus Island, Bermuda | N32 | W064 | 2 | 34:07.5 | 7 | A bit overloaded |
| 77005 | Megaptera novaeangliae | 4/20/1977 | 5-6 mi. W Great Island, Cape Cod Bay, MA | N42 | W070 | 4 | 21:48.9 | 5 | No obvious sounds. Low ambient |
| 77004 | Megaptera novaeangliae | 4/26/1977 | 5-6 mi. W Great Island, Cape Cod Bay, MA | N42 | W070 | 4 | 26:30.9 | 5 | No obvious sounds. Low ambient |
| 81004 | Megaptera novaeangliae | 5/8/1981 | SW corner Stellwagen bank, off MA | N42 | W070 | 3 | 26:30.0 | 5 | High ambient due to ship engine noise. |
| 55101 | Megaptera novaeangliae | //1955 | Pt Borinquen, Puerto Rico | N18 | W065 | 1 | 06:50.5 | 8 | Very good recording of humpbacks. |
| 63043 | Megaptera novaeangliae | //1963 | Castle Harbour, Bermuda | N32 | W064 | 2 | 29:39.3 | 8 | Very good recording |
| 51044 | Megaptera novaeangliae | 4//1951 | Sofar Station, Bermuda | N32 | W064 | 1 | 13:10.4 | 3 | Overloaded |
| 52036 | Megaptera novaeangliae, Crustacea snapping shrimp | 4/13/1952 | E of St Georges, Bermuda | N32 | W064 | 1 | 08:08.4 | 5 | Very faint moans and grunts. Good recording of snapping shrimp. Ambient of ship creaks, water splashes, phone bumps. |
| 52037 | Megaptera novaeangliae, Crustacea snapping shrimp | 4/13/1952 | E of St Georges, Bermuda | N32 | W064 | 1 | 08:07.2 | 5 | Humpbacks around ship but about 400 yds distant. Faint moans and some low frequency grunts. Ambient of ship creaks, water splashes, phone bumps. |
| 52035 | Megaptera novaeangliae, Crustacea snapping shrimp | 4/13/1952 | Entrance to St Georges, Bermuda | N32 | W064 | 1 | 08:07.8 | 5 | Very faint moans. Snapping shrimp. Ambient of ship creaks, water splashes, phone bumps. Good recording of shrimp. |
| 52032 | Megaptera novaeangliae, Crustacea snapping shrimp | 4/13/1952 | Mills breaker E of St Georges, Bermuda | N32 | W064 | 1 | 08:08.3 | 5 | Very faint moans. Snapping shrimp. Ambient of ship creaks, water splashes, phone bumps. |
| 52033 | Megaptera novaeangliae, Crustacea snapping shrimp | 4/13/1952 | Mills breaker E of St Georges, Bermuda | N32 | W064 | 1 | 08:03.8 | 5 | Faint moans. Snapping shrimp. Ambient of ship creaks, water splashes, phone bumps. |

| 52034 | Megaptera novaeangliae, Crustacea snapping shrimp | 4/13/1952 | Mills breaker E of St Georges, Bermuda | N32 | W064 | 1 | 08:04.1 | 5 | Faint moans. Snapping shrimp. Ambient of ship creaks, water splashes, phone bumps. Good recording of snapping shrimp. |
|---------------|--|-----------|--|---------|---------|---|-----------|---|---|
| 61042 | Megaptera novaeangliae; Balaenoptera physalus | 9/12/1961 | Stellwagen Basin, MA | N42 | W070 | 2 | 16:13.2 | 7 | Low ambient; some humpback and fin sounds |
| 54027 | Mirounga angustirostris | 4/4/1954 | Guadeloupe Is, Mexico | N29 | W117 | 1 | 12:33.4 | 9 | Low ambient. Very good recording. |
| 65036 | Monodon monoceros | 8/19/1965 | Baffin Island, NWT, Canada | unknown | unknown | 1 | 18:27.5 | 5 | Ambient of water splashes. |
| 65038 | Monodon monoceros | 8/20/1965 | Baffin Island, NWT, Canada | unknown | unknown | 1 | 16:10.4 | 5 | Low Ambient. No animal sounds. |
| 65040 | Monodon monoceros | 8/21/1965 | Baffin Island, NWT, Canada | unknown | unknown | 1 | 16:12.7 | 5 | Some faint sounds. Low ambient. |
| 65037 | Monodon monoceros, Phoca hispida | 8/20/1965 | Baffin Island, NWT, Canada | unknown | unknown | 1 | 16:36.8 | 5 | Some calls present. Ambient of water splashes. |
| 65039 | Monodon monoceros, Phoca hispida | 8/20/1965 | Baffin Island, NWT, Canada | unknown | unknown | 1 | 16:03.3 | 5 | Low Ambient. No animal sounds. |
| 65011 | Monodon monoceros; Phoca hispida | 8/20/1965 | Baffin Island, NWT, Canada | N65 | W070 | 1 | 15:43.2 | 6 | Quiet recording. |
| 65006 | Odobenus rosmarus | 3/3/1965 | NY Aquarium, NY | unknown | unknown | 1 | 16:26.9 | 9 | Recording of "Olaf". Very good recording of walrus clicks and bells. |
| 65006 copy | Odobenus rosmarus | 3/3/1965 | NY Aquarium, NY | unknown | unknown | 1 | 4:42.7 | 9 | Copy of 65006 without voice. |
| 56033 | Odontoceti | 9/20/1956 | N. edge of Georges Bank | N42 | W067 | 1 | 08:08.4 | 5 | Low ambient. Silent ship. A few whistles. |
| 60011 | Odontoceti | 11/1/1960 | Atlantic Ocean | N39 | W068 | 2 | 12:38.830 | 5 | Ch1 is intermittent. Ch1 is data and Ch2 is voice. Moderate ambient.of phone bumps. Some whistles in middle of recording. |
| 63032 | Odontoceti | 9/17/1963 | W. N. Atlantic | unknown | unknown | 1 | 04:21.7 | 3 | Loud ambient. Some whistles and clicks heard. |
| 63033 | Odontoceti | 9/17/1963 | W. N. Atlantic | unknown | unknown | 1 | 45:00.8 | 5 | Loud ambient. Some whistles and clicks heard. |
| 56001 | Odontoceti | 6//1956 | Queen Charlotte Is., Canada | N53 | W132 | 1 | 03:38.0 | 5 | Author believes the animals looked like Pilot Whales. Probably a member of the Phocoenidae |
| 60002 | Opsanus tau | 6/14/1960 | WHOI dock, Woods Hole, MA | N41 | W070 | 2 | 14:43.188 | 6 | Ambient recording off the WHOI dock. Toadfish boat whistles heard on Ch2. Ambient is a bit high at the start. Good recording of toadfish. |

| 61010 | Opsanus tau | 6/21/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:14.4 | 6 | Good recording |
|--------|--|------------|---|---------|---------|----|-----------|---|---|
| 61011 | Opsanus tau | 6/21/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:17.4 | 6 | Good recording |
| 61012 | Opsanus tau | 6/22/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:07.1 | 6 | Good recording |
| 61013 | Opsanus tau | 6/22/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:06.3 | 7 | Good recording |
| 61014 | Opsanus tau | 6/22/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:07.8 | 6 | Good recording |
| 61015 | Opsanus tau | 6/23/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:21.6 | 7 | Good recording |
| 61016 | Opsanus tau | 6/26/1961 | Hadley's Harbor, Woods Hole, MA | N41 | W070 | 1 | 08:16.7 | 7 | Good recording |
| 52064 | Opsanus tau, Unidentified porpoises, Crustacea | 9/25/1952 | New York; Florida | unknown | unknown | 1 | 07:37.2 | 7 | Variety tape of fishes and crustaceans. |
| 51001 | Opsanus tau; Tursiops truncatus; Crustacea | 3/16/1951 | Marine Studios harbor, St. Augustine, FL | N30 | W081 | 1 | 08:08.9 | 2 | High ambient noise. Harbor noise. |
| 51003 | snapping shrimp Opsanus tau; Tursiops truncatus; Crustacea snapping shrimp | 3/16/1951 | Marine Studios harbor, St. Augustine, FL | N30 | W081 | 1 | 08:08.8 | 5 | High ambient noise. Harbor noise. Tursiops buzzes and snapping shrimp. |
| 60026 | Orcinus orca | 12/21/1960 | 80 mi. S of Martha's | N71 | W040 | 1 | 28:00.000 | 9 | Low ambient. Occasional airplane engine noise. Excellent recording of |
| 60026B | Orcinus orca | 12/21/1960 | Vineyard, MA 80 mi. S of Martha's Vineyard, MA | N71 | W040 | 1 | 33:01.544 | 9 | killer whale calls. Copy of tape 60026. Low ambient. Occasional airplane engine noise. Excellent recording of killer whale calls. |
| 64017 | Orcinus orca | 8/16/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:14.2 | 3 | Exociler recording of killer whate sails. |
| 64018 | Orcinus orca | 8/16/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:12.1 | 8 | Quiet recording. A few killer whale sounds. |
| 64019 | Orcinus orca | 8/16/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:17.6 | 9 | Quiet recording. A few killer whale sounds. |
| 64020 | Orcinus orca | 8/16/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:13.1 | 8 | Quiet recording. A few killer whale sounds. |
| 64021 | Orcinus orca | 8/17/1964 | Vancouver, British Columbia | N49 | W123 | 22 | 08:12.5 | | Quiet recording. A few killer whale sounds. |
| 64022 | Orcinus orca | 8/17/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:14.2 | 5 | Quiet recording. No killer whale sounds. Ambient tank recording. |
| | | | | | | | | | |

| 64023 Orcinus orc | a 8/17/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:13.8 | 7 | Loud squeals. Good recording. |
|---|--------------------------|--------------------------------|---------|---------|---|----------|---|--|
| | | British Collimnia | | | | | | 2000 oquodio. Oood rooording. |
| 64024 Orcinus orc | a 8/17/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:14.2 | 7 | Few sounds. Quiet recording. |
| 64025 Orcinus orc | a 8/17/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:11.8 | 8 | Loud squeals. Good recording. |
| 64027 Orcinus orc | a 8/17/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:27.4 | | |
| 64029 Orcinus orc | a 8/18/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:24.7 | | |
| 64030 Orcinus orc | a 8/18/1964 | Vancouver, British Columbia | N49 | W123 | 2 | 08:04.2 | 8 | Loud squeals. Good recording. |
| 64150 Orcinus orc | a 8/29/1964 | Johnstone Strait, B.C. | N50 | W126 | 1 | 32:29.2 | 7 | Good recording of a few killer whale calls. Quiet ambient. |
| 64151 Orcinus orc | a 8/31/1964 | Johnstone Strait, B.C. | N50 | W126 | 1 | 32:56.8 | 6 | Good recording of a few killer whale calls. Quiet ambient. |
| 65034 Orcinus orc | a 7/23/1965 | AK | unknown | unknown | 1 | 35:21.8 | 1 | High ambient!! Overloaded! |
| 64148 Orcinus orc | | Amchitka Island, | N51 | E179 | 1 | 11:10.3 | | Backwards? |
| 04140 Ordinus ord | a 10/-/1904 | Alleutian Islands, AK | ICNI | E179 | ' | 11.10.3 | | Daukwai us ! |
| 64149 Orcinus orc | a 7/-/1964 | Johnstone Strait, B.C. | N50 | W126 | 1 | 32:47.9 | 5 | Good recording of "Moby Doll". Quiet ambient in the beginning of the recording. Tug boat passing nearby. |
| 60012 Orcinus orc | a 10/28/1960 | Hood Canal, Dabob Bay, WA | N47 | W122 | 1 | 5:56.700 | 8 | Low ambient. Very good recording of 3 killer whales in the Hood Canal. Many |
| 61062 Orcinus orc | a //1961 | unknown | N48 | W123 | 1 | 32:25.7 | 3 | calls throughout tape. Ambient is loud; calls are cut off in upper freq. |
| 64031 Orcinus orc (Moby Doll) | | Vancouver, British Columbia | N49 | W123 | 2 | 13:03.7 | 8 | Loud squeals. Good recording. |
| 63003 Phoca groenlandid | 1/21/1963 | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:05.7 | 5 | Water splashing throughout recording. |
| 63009 Phoca groenlandic Phoca hisp Phoca largl | 1/22/1963 ca, ida, | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:04.9 | 5 | Quiet |
| 63005 Phoca hisp | | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 16:58.7 | 5 | Water splashing throughout recording. |
| 63010 Phoca hisp Phoca largi | | N. Y. Aquarium, N. Y. | unknown | unknown | 2 | 05:21.3 | 8 | A few sounds. |
| 56061 Phoca vitul | | Woods Hole, MA | N41 | W071 | 1 | 32:11.6 | 2 | Seal noises from seal pen. 3 noises in middle of tape, made by seal with mouth in air. Ambient is high caused by loud generator hum throughout entire recording. |

| 60015 | Phoca vitulina | 4/13/1960 | Lacky's Bay, Naushon Island, MA | N41 | W070 | 1 | 8:01.431 | 4 | In-air sounds. Moderate ambient of phone bumps. |
|---------------|--|--------------------------------------|--|----------|---------------|---|-----------|---|--|
| 63026 | Phoca vitulina | 6/26/1963 | Woods Hole Fisheries, Woods Hole, MA | unknown | unknown | 2 | 08:22.9 | 6 | Water drops; phone bumps. Few sounds. |
| 63027 | Phoca vitulina | 6/26/1963 | Woods Hole, MA Woods Hole, MA Woods Hole, MA | unknown | unknown | 2 | 06:50.3 | 5 | Water drops; phone bumps. No obvious animal sounds. Ambient aquarium |
| 64034 | Phoca vitulina | 8/2/1964 | Miami Seaguarium, Fla. | unknown | unknown | 2 | 08:13.3 | 4 | A few sounds. Ambient noise is high. |
| 49011 | Phocidae; General mammal | 7/28/1949 | Saguenay River, Quebec, Canada; Back Lake, Pittsburg, NH | N48; N45 | W070; W071 | 1 | 1:04:07.8 | 5 | Low ambient noise. Mostly ambient recording during first half of tape. Second half has moderate to high ambient of electrical nosie. Second half is an attempt to record beaver. |
| 58023 | Phocoena phocoena | 11/4/1958 | Fletcher's Neck Life Boat Station, ME | N43 | W070 | 2 | 16:01.8 | 2 | Voice on 1 and data on 2. Overloaded on 2 |
| 61074 | Phocoena phocoena | 9/30/1961 | S of Georges Basin, MA | N42 | W067 | 2 | 15:55.9 | 8 | Low ambient. Faint whistles. Good recording. |
| 65012 | Phocoena phocoena | 9/8/1965; 9/12/1965; 9/14/1965 | Deer Island, New Brunswick, Canada; NY Aquarium, NY | N44 | W066 | 1 | 8:32.8 | 8 | Good recording. Good porpoise squeals. |
| 65012 copy | Phocoena phocoena | 9/8/1965; 9/12/1965; 9/14/1965 | Deer Island, New Brunswick, Canada; NY Aquarium, NY | N44 | W066 | 1 | 16:14.4 | 9 | Reverse copy of 65012. Reduced hum on recording. Aq recording in middle of tape is a recording of Minx and Jinx. Very good recording. |
| 65008 | Phocoenoides dalli | 4/23/1965 | Pt. Magu, CA | N34 | W119 | 2 | 29:59.2 | 8 | 2 Phocoenoides in area. Buzzes. Very good recording. |
| 65014 | Phocoenoides dalli | 10/26/1965 | 7 mi. N of Monterey, CA | N36 | W122 | 2 | 8:15.7 | 6 | Clicks and click series. Best towards last 1/3 of recording. Good recording. |
| 65016 | Phocoenoides dalli | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 8:03.0 | 2 | Possible radar pulses. Ambient is high. Much towing of phone. |
| 65015 | Phocoenoides dalli | 10/29/1965 | 7 mi. N of Monterey, CA | N36 | W122 | 2 | 8:10.0 | 3 | A few low level sounds on first 1/3 of tape. Phone towing at 16m below surface. Ambient is high. |
| 65017 | Phocoenoides dalli; Zalophus californianus | 10/29/1965 | Monterey, CA | N36 | W122 | 2 | 7:57.5 | 2 | No vocalizations, only radar pulses. High ambient. |
| 52001 | Physeter catodon | 3/31/1952 | 2000 fm curve S of Woods Hole, MA | N41 | W071 | 1 | 28:14.2 | 4 | Various tape speeds. Uneven recording quality. |
| 52057 | Physeter catodon | 4/22/1952 | Off MD | N38 | W069 | 1 | 05:26.0 | 8 | Echosounder present. Copies of reels 7 and 8. |

| 54037 | Physeter catodon | 1/12/1954 | WNA | unknown | unknown | 2 | 15:42.4 | 5 | Reel #3 of scattering layer shots (echosounder). CH 2 is data, Ch 1 is voice. |
|-------|------------------|-----------|-------------------------------------|---------|---------|---|---------|---|--|
| 54038 | Physeter catodon | 1/12/1954 | WNA | unknown | unknown | 2 | 15:55.0 | 7 | Reel #2 of scattering layer shots (echosounder). CH 2 is data, Ch 1 is voice. Very good codas. |
| 54023 | Physeter catodon | 2/12/1954 | unknown | unknown | unknown | 1 | 15:58.1 | 6 | Sperm whale clicks, codas. Replay of reel #4 through Atlantis Edo. |
| 57024 | Physeter catodon | 6/4/1957 | Mid-Atlantic coast of US | N38 | W069 | 1 | 31:24.0 | 7 | Low ambient. Good recording. Sperm whale clicks. Edo recording. |
| 57029 | Physeter catodon | 6/27/1957 | unknown | unknown | unknown | 1 | 12:35.0 | 6 | Low recording level. Faint sperm whale clicks. OK recording. |
| 58006 | Physeter catodon | 8/7/1958 | Hudson Canyon | N39 | W072 | 2 | 15:58.1 | 4 | Voice on 1; data on 2. Clicks. Engine constant in bckgrnd. Data overloaded |
| 58004 | Physeter catodon | 8/7/1958 | WNA | N39 | W072 | 2 | 15:57.4 | 7 | Voice on 1; data on 2. Clicks. Engine constant in bckgrnd. |
| 58005 | Physeter catodon | 8/7/1958 | WNA | N39 | W072 | 2 | 15:56.7 | 4 | Voice on 1; data on 2. Clicks. Engine overloaded |
| 58007 | Physeter catodon | 8/7/1958 | WNA | N39 | W072 | 2 | 08:09.1 | 5 | Voice on 1; data on 2. Clicks. Engine constant in bckgrnd. Data overloaded slightly. |
| 58008 | Physeter catodon | 8/7/1958 | WNA | N39 | W072 | 2 | 12:55.0 | 7 | Voice on 1 and data on 2. Engine noise constant in back but not loud. |
| 58009 | Physeter catodon | 8/7/1958 | WNA | N39 | W072 | 2 | 08:07.2 | 8 | Voice on 1 and data on 2. Good recording. |
| 58010 | Physeter catodon | 8/7/1958 | WNA | N39 | W072 | 2 | 08:11.2 | 8 | Voice on 1 and data on 2. Good recording. |
| 59019 | Physeter catodon | 7/27/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 16:28.9 | 8 | Data on Ch1 and voice on Ch2. Low ambient. Good Physeter clicking throughout recording. Good recording. |
| 59020 | Physeter catodon | 7/27/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 16:28.9 | 8 | Data on Ch1 and voice on Ch2. Low ambient for first 3/4 of recording. Good Physeter clicking throughout recording. Good recording. |
| 59021 | Physeter catodon | 7/27/1959 | Off VA near Wilmington Valley | N37 | W073 | 1 | 0.00:80 | 7 | Data and voice on Ch1. Physeter clicks throughout recording. White tip shark disturbing hydrophone. Good recording. Low ambient. |
| 59023 | Physeter catodon | 7/28/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 15:07.6 | 8 | Data on Ch1 and voice on Ch2. Low ambient. Excellent Physeter click series during first 1/2 of tape. Good recording. |
| 59025 | Physeter catodon | 7/28/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 16:02.9 | 8 | Data on Ch1 and voice on Ch2. Physeter throughout. Low to Moderate ambient caused by ship noise. Good recording. |

| 59032 | Physeter catodon | 8/22/1959 | Off VA near Leonard Canyon | N37 | W072 | 2 | 16:02.992 | 6 | Data and voice on Ch 1 and 2. Moderate ambient. Ok recording. |
|-------|--|--------------------------|--|---------|---------|---|-----------|---|--|
| 61007 | Physeter catodon | 4/26/1961 | SE Atlantic | N00 | W019 | 2 | 11:10.9 | 2 | phone banging |
| 61019 | Physeter catodon | 8/2/1961 | Off MD near Berkely Canyon | N39 | W073 | 2 | 16:08.2 | 7 | Good recording |
| 61027 | Physeter catodon | 8/7/1961 | Off MD near Wilmington Canyon | N38 | W072 | 2 | 16:12.0 | 9 | Very good recording; Usual clicks and codas. |
| 61028 | Physeter catodon | 8/7/1961 | S of Heezen Plateau | N38 | W072 | 2 | 16:08.7 | 9 | Very good recording; Usual clicks and codas. |
| 62029 | Physeter catodon | 7/29/1962 | Mid-Atlantic | N38 | W072 | 2 | 26:09.8 | 8 | Good recording. |
| 62031 | Physeter catodon | 9/17/1962 | Near Oceanographer and Lydonia Canyon, MA | N40 | W065 | 2 | 19:15.1 | 7 | Nearby ship engine noise throughout recording. Usual clicks and codas. Good recording. |
| 64032 | Physeter catodon | 8/1/1964 | Miami Seaquarium, Fla. | unknown | unknown | 2 | 08:13.2 | 5 | Ambient only. |
| 64033 | Physeter catodon | 8/1/1964 | Miami Seaquarium, Fla. | unknown | unknown | 2 | 08:15.9 | 3 | Loud pump noise throughout recording. Playback attempts. |
| 63030 | Physeter catodon | //1963 | Various | unknown | unknown | 1 | 02:06.6 | 8 | Good comp. looped tape |
| 58038 | Physeter catodon | 7/26/1958 - 7/27/1958 | E of Spain | N41 | E005 | 2 | 12:19.6 | 5 | Ambient |
| 61020 | Physeter catodon | | Off MD near Berkely Canyon | N39 | W073 | 2 | 16:14.2 | 7 | Good recording |
| 61087 | Physeter catodon, Megaptera novaeangliae | //1961 | Cook Strait, N.Z. | S41 | E174 | 2 | 30:53.8 | 8 | Good comp. tape. Humpback calls and other sounds |
| 62025 | Physeter catodon, Odontoceti | 6/4/1962 | N of Gulf Stream | N38 | W069 | 2 | 04:26.8 | 5 | Second half better than first. |
| 62032 | Physeter catodon, Stenella coeruleoalba | 8//1962 | Off PA, E of Nantucket Canyon | N39 | W069 | 2 | 16:09.0 | 6 | Phone bumping. Good Stenella clicks. |
| 63028 | Physeter catodon, Uncertain | 6/19/1963 | St-Florent, Corsica | N42 | E009 | 2 | 01:00.2 | 3 | Loud ambient. Some clicks heard. |

| 59024 | Physeter catodon; Stenella coeruleoalba | 7/28/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 16:04.0 | 5 | Data on Ch1 and voice on Ch2. Physeter in beginning with some Stenella whistles. Low ambient of water splashes in beginning of recording. Speed troubles during later half of recording. |
|-------|--|--------------------------|--|-----|------|---|----------|---|--|
| 59022 | Physeter catodon; Stenella coeruleoalba | 7/27/1959 - 7/28/1959 | Off VA near Wilmington Valley | N37 | W073 | 2 | 16:29.8 | 8 | Data on Ch1 and voice on Ch2. Low ambient. Excellent Physeter click series during last 1/3 of tape. Good recording. |
| 63040 | Pomotomus saltatrix | 8/8/1963 | Tashmoo, Martha's Vineyard, MA | N41 | W071 | 1 | 31:32.6 | 4 | Nearby ship engine noise throughout recording. |
| 63041 | Pomotomus saltatrix | 10/1/1963 | Tashmoo, Martha's Vineyard, MA | N41 | W071 | 1 | 18:23.2 | 3 | Overloaded. |
| 61023 | Pseudorca crassidens | 8/3/1961 | Off MD E of South Wilmington Canyon | N38 | W072 | 2 | 16:06.6 | 9 | Good recording; Whistles |
| 61022 | Pseudorca crassidens | 8/3/1961 | Off MD near South Wilmington Canyon | N38 | W072 | 2 | 16:08.1 | 9 | Good recording; Whistles |
| 61021 | Pseudorca crassidens; Stenella sp. | 8/3/1961 | Off MD E of Wilmington Canyon | N38 | W072 | 2 | 16:14.7 | 1 | Equipment noise |
| 64015 | Reptilia | 8/3/1964 | Bonita Springs, FL | N26 | W081 | 2 | 08:13.4 | 4 | Alligator sounds. Not a good recording. |
| 54026 | Ship signature | 10/14/1954 | MA | N41 | W071 | 2 | 08:21.8 | 2 | Ship signature. Asterias making runs first at full power and then at minimal power. Recorder troubles. |
| 60005 | Ship signature | 7/6/1960 | Robinson's Hole, Vineyard Sound, MA | N40 | W070 | 1 | 7:52.149 | 5 | Ship signature of the Atlantis with a Coast Guard cutter in the beginning. |
| 60007 | Ship signature | 12/3/1960 | WHOI dock, Woods Hole, MA | N41 | W070 | 1 | 7:17.895 | 5 | Ship signature of the Explorer II. |
| 69011 | Sotalia borneensis | 8/10/1969 - 8/11/1969 | .5 mi. S Mwamba cha, Kenya | S04 | E039 | 1 | 16:33.4 | 5 | Very few whistles. Quiet ambient, but voice is overloaded. |
| 69012 | Sotalia borneensis | 8/10/1969 - 8/11/1970 | .5 mi. S Mwamba cha, Kenya | S05 | E040 | 2 | 16:33.5 | 6 | Very few whistles. Quiet ambient, but voice is overloaded. |
| 69013 | Sotalia borneensis | 8/10/1969 - 8/11/1971 | .5 mi. S Mwamba cha, Kenya | S06 | E041 | 3 | 16:33.6 | 7 | Very few whistles. Quiet ambient, but voice is overloaded. |

| 53011 | Steatornis caripensis | 8/3/1953 | Monogas, Venezuela | S10 | W063 | 1 | 07:47.3 | 6 | birds |
|-------|--|-----------|--------------------------------------|-----|------|---|-----------|---|---|
| 64005 | Stenella attenuata | 5/5/1963 | Costa Rica | N10 | W085 | 1 | 20:02.2 | 5 | Good recording. |
| 58011 | Stenella coeruleoalba | 8/11/1958 | WNA | N39 | W071 | 2 | 16:25.6 | 8 | Voice on 1 and data on 2. Good recording. Water splashes, phone movement. Whistles. |
| 58012 | Stenella coeruleoalba | 8/11/1958 | WNA | N39 | W071 | 2 | 14:34.2 | 6 | Voice on 1 and data on 2. Distant sounds. Water splashes, phone movement. |
| 59033 | Stenella coeruleoalba | 8/24/1959 | Off VA near South Heves Canyon | N38 | W072 | 2 | 16:07.547 | 6 | Voice on Ch1 and data on Ch 2. Moderate ambient of water splashes and ship engine. Whistles. Good recording. |
| 61024 | Stenella coeruleoalba | 8/5/1961 | Off MD near Heezen Plateau | N38 | W071 | 2 | 16:16.9 | 9 | Good recording; Whistles |
| 61029 | Stenella coeruleoalba | 8/10/1961 | WNA | N38 | W071 | 2 | 16:13.2 | 9 | Very good recording; Usual clicks. |
| 61008 | Stenella coeruleoalba | | Edge of Gulf Stream | N37 | W068 | 2 | 14:57.1 | 2 | Equipment noise |
| 59034 | Stenella coeruleoalba | | Off VA near South Heves Canyon | N38 | W072 | 2 | 16:16.164 | 6 | Voice on Ch1 and data on Ch 2. Moderate ambient of water splashes and ship engine noise from passing fishing boat. Whistles. Good recording. |
| 58015 | Stenella coeruleoalba; Ambient | 8/12/1958 | WNA | N40 | W071 | 2 | 13:04.7 | 5 | Voice on 1 and data on 2. No sounds from the animals. Ambient only. |
| 51020 | Stenella frontalis | 3/23/1951 | 8 miles E of St. Augustine, FL | N30 | W080 | 1 | 08:09.5 | 2 | Overload of voice. Motorboat engine noise throughout recording. Tanker passed by. Cable squeaks. No sounds? |
| 51021 | Stenella frontalis | 3/23/1951 | 8 miles E of St. Augustine, FL | N30 | W080 | 1 | 08:08.5 | 2 | Overload of voice. Motorboat engine noise throughout recording. No sounds? |
| 61025 | Stenella frontalis | 8/6/1961 | Off MD near Lindenkohl Canyon | N38 | W073 | 2 | 16:10.1 | 9 | Very good recording; Whistles and clicks |
| 61026 | Stenella frontalis | 8/6/1961 | Off MD near Lindenkohl Canyon | N38 | W073 | 2 | 16:18.5 | 9 | Very good recording; Whistles and clicks |
| 70019 | Stenella Iongirostris | //1970 | Keaĺakekua, Hawaii | N19 | W156 | 1 | 32:06.5 | | |
| 64004 | Stenella longirostris, Tursiops truncatus | 3/26/1963 | Costa Rica | N10 | W085 | 1 | 16:37.6 | 4 | Overloaded. |

| 64011 | Trichechus manatus | 8/2/1964 | Miami Seaguarium, FL | unknown | unknown | 1 | 08:12.0 | 5 | Quiet ambient. |
|--------|-----------------------|------------------------|---|---------|---------|---|-----------|---|--|
| 64013 | Trichechus manatus | 8/2/1964 | Miami Seaquarium, FL | unknown | unknown | 2 | 08:10.8 | 5 | Loud pump noise throughout recording. Many manatee rasps. |
| 64012 | Trichechus manatus | 8/2/1964 | Miami Seaquarium, FL | unknown | unknown | 2 | 08:14.8 | 5 | Loud pump noise throughout recording. Many manatee rasps. |
| 64014 | Trichechus manatus | 8/2/1964 | Miami Seaquarium, FL | unknown | unknown | 2 | 08:06.9 | 5 | Loud pump noise throughout recording. Many manatee rasps. |
| 64008 | Trichechus manatus | 8/3/1964 | Canal 13, Fort Lauderdale, FL | N26 | W080 | 2 | 08:22.4 | 7 | Good recording. Quiet ambient. |
| 64009 | Trichechus manatus | 8/3/1964 | Canal 13, Fort Lauderdale, FL | N26 | W080 | 2 | 08:11.2 | 7 | Good recording. Quiet ambient. |
| 64010 | Trichechus manatus | 8/3/1964 | Canal 13, Fort Lauderdale, FL | N26 | W080 | 2 | 08:12.6 | 5 | Quiet ambient. |
| 64036 | Trichechus manatus | 8/2/1964 - 8/3/1964 | Canal 13, Fort Lauderdale, Florida | N26 | W080 | 2 | 01:32.0 | 7 | Compilation tape with examples of manatee sounds |
| 64036A | Trichechus manatus | 8/2/1964 - 8/3/1964 | Canal 13, Fort Lauderdale, Florida | N26 | W080 | 2 | 01:31.1 | 7 | Compilation tape with examples of manatee sounds |
| 61091 | Tursiops catalania | 5/1/1961 | Moreton Bay, Australia | S27 | E153 | 1 | 37:37.642 | 5 | High ambient of machinery near AQ. Whistles are audible. |
| 61092 | Tursiops catalania | 5/1/1961 | Moreton Bay, Australia | S27 | E153 | 1 | 37:15.184 | 5 | High ambient of machinery near AQ. Whistles are audible. |
| 61093 | Tursiops catalania | 5/1/1961 | Moreton Bay, Australia | S27 | E153 | 1 | 19:21.877 | 5 | High ambient of machinery and water near AQ. Whistles are audible. |
| 64116 | Tursiops sp. | 12/8/1964 | North end of Acheron Passage, Doubtful Sound, New Zealand | S45 | E167 | 2 | 04:46.8 | 3 | Ambient. Tursiops nearby, but silent. |
| 64109 | Tursiops sp. | 12/8/1964 | North of Malaspina Reach, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:23.7 | 5 | A few Tursiops whistles. |
| 64113 | Tursiops sp. | 12/8/1964 | North of Wood Head, Doubtful Sound, New Zealand | S45 | E167 | 2 | 08:12.9 | 5 | Tursiops clicks and groans. Phone sloshing in water |
| 64117 | Tursiops sp. | 12/9/1964 | Bradshaw Sound, New Zealand | S45 | E167 | 2 | 08:11.1 | 5 | Ambient. Tursiops nearby, but silent. |

| 64118 | Tursiops sp. | 12/9/1964 | Lower end of Bradshaw Sound, New Zealand | S45 | E167 | 2 | 08:17.0 | 6 | Ambient. Ship engine is loud throughout recording. Tursiops whistles. |
|-------|-----------------------|-----------|---|-----|------|---|---------|---|--|
| 55009 | Tursiops truncates | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.7 | 6 | Hearing and echolocation observations. OK recording of echolocation clicks by a Tursiops. Ambient of water splashes and equipment banging. Reel 9 |
| 49021 | Tursiops truncatus | 5/22/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 34:10.1 | 5 | Low ambient of electrical noise and water splashes. No Tursiops vocalizations detected. |
| 49020 | Tursiops truncatus | 9/20/1949 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 43:38.9 | 6 | Low ambient of hydrophone bumps. A few low level series of clicks, whistles and grunts |
| 51009 | Tursiops truncatus | 3/21/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:07.9 | 4 | Overload of voice only; buzzes, whistles and jaw claps throughout. |
| 51010 | Tursiops truncatus | 3/21/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 8.80:80 | 4 | Overload of voice only; Banging of phone; much water splashing. Buzzes, whistles. |
| 51011 | Tursiops truncatus | 3/21/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:08.3 | 4 | Overload of voice only; Banging of phone; much water splashing. Buzzes. |
| 51012 | Tursiops truncatus | 3/21/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:08.3 | 3 | Overload of voice only. Loud generator noise. Banging of phone; much water splashing. Buzzes. |
| 51008 | Tursiops truncatus | 3/21/1951 | San Sebastian River, St. Augustine, FL | N30 | W081 | 1 | 08:08.5 | 3 | Overload of voice only; whistles at 2:18, 3:07 and 3:25 to EOT |
| 51013 | Tursiops truncatus | 3/22/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:08.9 | 5 | Flippy whistling. Overload of voice. |
| 51014 | Tursiops truncatus | 3/22/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:09.1 | 3 | Overload of voice only. Loud generator noise. Banging of phone; much water splashing. Buzzes and whistles. |
| 51017 | Tursiops truncatus | 3/23/1951 | 12 miles off St. Augustine, FL | N30 | W081 | 1 | 08:09.2 | 2 | Overload of voice. Motorboat engine noise throughout recording. |
| 51018 | Tursiops truncatus | 3/23/1951 | 12 miles off St. Augustine, FL | N30 | W080 | 1 | 08:09.2 | 2 | Overload of voice. Motorboat engine noise throughout recording. anker passed by. Buzzes? |
| 51022 | Tursiops truncatus | 3/23/1951 | 5 miles off St. Augustine, FL | N30 | W080 | 1 | 06:23.8 | 2 | Overload of voice. Motorboat engine noise throughout recording. No sounds? |
| 51015 | Tursiops truncatus | 3/23/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:09.4 | 3 | Overload of voice only. Banging of phone; much water splashing. |

| 51016 | Tursiops truncatus | 3/23/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:09.0 | 2 | Overload of voice. Only 1 minute recording. |
|-------|-----------------------|-----------|---|-----|------|---|---------|---|--|
| 51023 | Tursiops truncatus | 3/24/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:09.3 | 1 | Overload of voice; Banging of phone throughout. |
| 51024 | Tursiops truncatus | 3/24/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.0 | 4 | Overload of voice; Banging of phone throughout. Whistles. |
| 51025 | Tursiops truncatus | 3/24/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.5 | 5 | Overload of voice. Whistles. |
| 51026 | Tursiops truncatus | 3/24/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.5 | 5 | Overload of voice. Whistles. |
| 51027 | Tursiops truncatus | 3/26/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.6 | 3 | Overload of voice; whistles. Generator hum loud |
| 51028 | Tursiops truncatus | 3/26/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.2 | 3 | Overload of voice; whistles. Generator hum loud. Buzzes; whisltes |
| 51029 | Tursiops truncatus | 3/26/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.7 | 4 | Overload of voice; Generator hum loud. Buzzes; whisltes |
| 51030 | Tursiops truncatus | 3/26/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:17.9 | 3 | Overload of voice; Generator hum loud. Buzzes; whisltes |
| 51031 | Tursiops truncatus | 3/26/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:17.2 | 1 | Overload of voice; Generator hum |
| 51032 | Tursiops truncatus | 3/26/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.5 | 1 | Overload of voice; Generator hum |
| 51033 | Tursiops truncatus | 3/27/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.7 | 1 | Overload of voice; Generator hum |
| 51034 | Tursiops truncatus | 3/27/1951 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 08:18.5 | 1 | Overload of voice; Generator hum |
| 51035 | Tursiops truncatus | 3/29/1951 | Windley Key, FL | N25 | W080 | 1 | 08:18.2 | 5 | Overload of voice; Generator hum; buzzes; some overload of buzzes |
| 51036 | Tursiops truncatus | 3/29/1951 | Windley Key, FL | N26 | W081 | 1 | 08:18.5 | 5 | Overload of voice; Generator hum; buzzes; some overload of buzzes |
| 51037 | Tursiops truncatus | 3/29/1951 | Windley Key, FL | N27 | W082 | 1 | 08:07.0 | 6 | Overload of voice; Generator hum; buzzes; some overload of buzzes. Faint whistles. |

| 51039 | Tursiops truncatus | 4/5/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 08:07.0 | 6 | Motorboat engine noise; Whistles; clicks |
|--------|-----------------------|-----------|--|-----|------|---|---------|---|---|
| 51040 | Tursiops truncatus | 4/6/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 08:06.2 | 5 | Motorboat engine noise; Whistles; clicks |
| 51041 | Tursiops truncatus | 4/6/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 08:05.9 | 6 | Motorboat engine noise; Whistles; clicks |
| 51041B | Tursiops truncatus | 4/6/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 14:30.4 | 5 | Heavy HP filter at 1200; Whistles, buzzes |
| 51041C | Tursiops truncatus | 4/6/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 01:20.3 | 5 | Heavy HP filter at 1500; Whistles, buzzes; No voice |
| 51042 | Tursiops truncatus | 4/6/1951 | Biscayne Bay, FL | N25 | W080 | 1 | 08:04.8 | 2 | Loud consistent noise at1500 Hz and below |
| 51004 | Tursiops truncatus | 5/11/1951 | San Sebastian River, St. Augustine, FL | N30 | W081 | 1 | 08:07.3 | 2 | Outboard motor and Generator noise overload; 1st minute is best. Buzzes and whistles in 1st min. Open mike; |
| 52075 | Tursiops truncatus | 4/12/1952 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 31:49.8 | 3 | Overloaded recording. Distorted recording of Tursiops pulsed clicks. High ambient of tank noise. |
| 52073 | Tursiops truncatus | 4/13/1952 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 32:12.4 | 4 | Overloaded recording. Distorted recording of Tursiops pulsed clicks. High ambient of tank noise. |
| 54012 | Tursiops truncatus | 1/13/1954 | Marine Studios, St. Augustine, FL | N30 | W080 | 1 | 32:16.1 | 2 | Manometer readings on Tursiops male |
| 54013 | Tursiops truncatus | 1/13/1954 | Marine Studios, St. Augustine, FL | N30 | W080 | 1 | 32:06.8 | 2 | Manometer on blowhole of Tursiops male -via needle. |
| 54011 | Tursiops truncatus | 1/14/1954 | Marine Studios, St. Augustine, FL | N30 | W080 | 1 | 16:40.1 | 2 | Anaesthesia. Old male Tursiops. |
| 54014 | Tursiops truncatus | 1/14/1954 | Marine Studios, St. Augustine, FL | N30 | W080 | 1 | 32:21.4 | 2 | Tursiops male (Blowhole pressure by means of hypodermic needle). |
| 54015 | Tursiops truncatus | 1/14/1954 | Marine Studios, St. Augustine, FL | N30 | W080 | 1 | 22:22.7 | 2 | Laryngeal experiments with dead Tursiops male |
| 55001 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.3 | 8 | Hearing and echolocation observations. Very good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. |
| 55002 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:10.4 | 9 | Hearing and echolocation observations. Very good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. |

| 55003 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 04:10.7 | 7 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel 3. |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|--|
| 55004 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 04:02.7 | 6 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Ambient of water splashes and equipment banging. Reel |
| 55005 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 03:40.0 | 6 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Ambient of water splashes and equipment banging. Reel |
| 55006 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 03:57.1 | 4 | Hearing and echolocation observations. So-so recording of echolocation clicks by a Tursiops. Ambient of water splashes and equipment banging. Recorder troubles throughout. Overloaded sounds from dolphin. Reel |
| 55007 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 03:43.0 | 5 | Hearing and echolocation observations. OK recording of echolocation clicks by a Tursiops. Ambient of water splashes and equipment banging. Recorder troubles throughout. Reel 7 |
| 55008 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 03:54.8 | 6 | Hearing and echolocation observations. OK recording of echolocation clicks by a Tursiops. Ambient of water splashes and equipment banging. Recorder troubles throughout. Reel 8 |
| 55010 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.2 | 8 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel 10 |
| 55011 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.6 | 8 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel 11 |

| 55012 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.4 | 8 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|---|
| 55013 | Tursiops truncatus | 7/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:18.5 | 5 | Hearing and echolocation observations. Recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel 13 |
| 55014 | Tursiops truncatus | 7/24/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:16.6 | 5 | Hearing and echolocation observations. Recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel |
| 55015 | Tursiops truncatus | 7/24/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:13.0 | 7 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel |
| 55016 | Tursiops truncatus | 7/27/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:16.8 | 7 | Hearing and echolocation observations. Good recording of echolocation clicks by a Tursiops. Low ambient of water splashes and equipment banging. Reel |
| 55017 | Tursiops truncatus | 7/27/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.7 | 5 | Hearing and echolocation observations. Mostly ambient recording of Tursiops in the pond. Very few clicks. Low ambient of water splashes and equipment banging. Reel 17 |
| 55018 | Tursiops truncatus | 7/27/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:13.1 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Low ambient of water splashes and equipment banging. Reel |
| 55019 | Tursiops truncatus | 7/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 09:36.9 | 5 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Medium level of ambient of water splashes and equipment banging. Reel 19 |

| 55020 | Tursiops truncatus | 7/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:12.2 | 6 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Medium level of ambient of water splashes and equipment banging. Attenuator level changed in the latter half of recording. |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|---|
| 55021 | Tursiops truncatus | 7/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:13.5 | 7 | Much better. Reel 20 Hearing and echolocation observations. Good recording of clicks and click bursts. Low level of ambient of water splashes and equipment banging. Attenuator level changed in the latter half of recording. Much better. Reel 21 |
| 55022 | Tursiops truncatus | 7/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:16.2 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of ship engine noise, water splashes and equipment banging. Reel |
| 55023 | Tursiops truncatus | 7/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:13.2 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 23 |
| 55024 | Tursiops truncatus | 7/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:12.3 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 24 |
| 55025 | Tursiops truncatus | 7/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.5 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 25 |
| 55026 | Tursiops truncatus | 8/5/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 07:50.9 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 26 |
| 55030 | Tursiops truncatus | 8/20/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.7 | 6 | Hearing and echolocation observations. Good recording of clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 30 |

| 55031 | Tursiops truncatus | 8/20/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.7 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Exploring confined area. Ambient of water splashes and |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|--|
| 55033 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.8 | 8 | equipment banging. Reel 31 Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 33 |
| 55034 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.3 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 34 |
| 55035 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.3 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 35 |
| 55036 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:13.8 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 36 |
| 55037 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.6 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 37 |
| 55038 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.0 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 38 |
| 55040 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.5 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 40 |
| 55041 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.7 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 41 |

| 55042 | Tursiops truncatus | 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.0 | 7 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|---|
| 55043 | Tursiops truncatus | 8/22/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:08.9 | 5 | equipment banging. Reel 42 Hearing and echolocation observations. Mostly silence. Ambient of water splashes. Reel 43. |
| 55044 | Tursiops truncatus | 8/22/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:08.9 | 5 | Hearing and echolocation observations. Mostly silence. Ambient of water splashes. Reel 44. |
| 55045 | Tursiops truncatus | 8/22/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 07:36.3 | 7 | Hearing and echolocation observations. Mostly silence. A few pulsed click bursts. Ambient of water splashes. Reel 45. |
| 55046 | Tursiops truncatus | 8/22/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:08.8 | 8 | Hearing and echolocation observations. Good recording of whistles. Ambient of water splashes and equipment banging. Reel 46 |
| 55047 | Tursiops truncatus | 8/24/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.2 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 47 |
| 55049 | Tursiops truncatus | 8/24/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:08.0 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 49 |
| 55051 | Tursiops truncatus | 8/31/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:06.8 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 51 |
| 55052 | Tursiops truncatus | 9/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 07:34.6 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 52 |
| 55053 | Tursiops truncatus | 9/3/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.7 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 53 |
| 55054 | Tursiops truncatus | 9/3/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.1 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 54 |

| 55055 | Tursiops truncatus | 9/3/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.6 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 55 |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|---|
| 55056 | Tursiops truncatus | 9/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.4 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Reel 55 |
| 55057 | Tursiops truncatus | 9/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.1 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Pump running. Reel 56 |
| 55058 | Tursiops truncatus | 9/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.4 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Feeding. Ambient of water splashes and equipment banging. Pump running. Reel 58 |
| 55059 | Tursiops truncatus | 9/5/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:02.3 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Pump running. Reel 59 |
| 55060 | Tursiops truncatus | 9/6/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 13:49.0 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 60 |
| 55061 | Tursiops truncatus | 9/6/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.6 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 61 |
| 55063 | Tursiops truncatus | 9/7/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.1 | 8 | Hearing and echolocation observations. Very good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 63 |
| 55064 | Tursiops truncatus | 9/10/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.5 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 64 |
| 55065 | Tursiops truncatus | 9/10/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.9 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 65 |

| 55066 | Tursiops truncatus | 9/10/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.9 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 66 |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|--|
| 55067 | Tursiops truncatus | 9/10/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 07:49.2 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 67 |
| 55069 | Tursiops truncatus | 9/13/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:06.1 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 69 |
| 55071 | Tursiops truncatus | 9/15/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.8 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Sounds are overloaded at times. Reel 71 |
| 55072 | Tursiops truncatus | 9/18/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.9 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 72 |
| 55073 | Tursiops truncatus | 9/18/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:02.8 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 73 |
| 55074 | Tursiops truncatus | 9/18/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.9 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 74 |
| 55075 | Tursiops truncatus | 9/27/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 07:25.9 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 75 |
| 55076 | Tursiops truncatus | 9/27/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:06.2 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 76 |
| 55077 | Tursiops truncatus | 9/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.0 | 8 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 77 |
| 55078 | Tursiops truncatus | 9/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.0 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 78 |

| 55079 | Tursiops truncatus | 9/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.5 | 8 | Hearing and echolocation observations. Good recording of clicks and click |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|--|
| 55080 | Tursiops | 9/28/1955 | Nonamesset Is. | N40 | W070 | 1 | 08:00.9 | 8 | bursts. Ambient of water splashes and equipment banging. Reel 79 Hearing and echolocation observations. |
| | truncatus | | pond, MA | | | | | | Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 80 |
| 55082 | Tursiops truncatus | 9/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.0 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 82 |
| 55116 | Tursiops truncatus | 9/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:18.5 | 6 | Wideband recording. Includes one bit of "Monty" investigating closed door in first net. OK recording. |
| 55117 | Tursiops truncatus | 9/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:20.8 | 6 | Feeding experiments involving echolocation capabilities. OK recording. |
| 55118 | Tursiops truncatus | 9/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:17.2 | 6 | Wideband recording, called 55-G. Feeding experiments involving echolocation capabilities. OK recording. |
| 55119 | Tursiops truncatus | 9/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:16.7 | 5 | Wideband recording, called 55-H. Feeding experiments involving echolocation capabilities. A bit overloaded. |
| 55120 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:06.6 | 5 | Wideband recording, called 55-l. Feeding experiments involving echolocation capabilities. A bit overloaded. |
| 55121 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:24.6 | 6 | Wideband recording, called 55-J. Feeding experiments involving echolocation capabilities. OK recording. |
| 55122 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:24.3 | 6 | Wideband recording, called 55-K. Feeding experiments involving echolocation capabilities. OK recording. |
| 55123 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:19.2 | 6 | Wideband recording, called 55-L. Feeding experiments involving echolocation capabilities. OK recording. |
| 55124 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:22.3 | 6 | Wideband recording, called 55-M. Feeding experiments involving echolocation capabilities. OK recording. |
| 55125 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:24.3 | 6 | Wideband recording, called 55-N. Feeding experiments involving echolocation capabilities. OK recording. |
| 55126 | Tursiops truncatus | 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:24.0 | 6 | Wideband recording, called 55-O. Feeding experiments involving echolocation capabilities. OK recording. |

| 55127 | Tursiops truncatus | 10/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:06.9 | 7 | Wideband recording, called 55-P. Ends with fish #25. Feeding experiments involving echolocation capabilities. Good recording. |
|-------|-----------------------|-----------|----------------------------|-----|------|---|---------|---|--|
| 55128 | Tursiops truncatus | 10/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:06.7 | 7 | Wideband recording, called 55-Q. Feeding experiments involving echolocation capabilities. Good recording. |
| 55129 | Tursiops truncatus | 10/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:06.3 | 7 | Wideband recording, called 55-R. Ends with fish #25. Feeding experiments involving echolocation capabilities. Good recording. |
| 55130 | Tursiops truncatus | 10/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:06.7 | 7 | Wideband recording, called 55-S. Feeding experiments involving echolocation capabilities. Good recording. |
| 55131 | Tursiops truncatus | 10/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 15:47.1 | 7 | Wideband recording, called 55-T. Feeding experiments involving echolocation capabilities. Good recording. |
| 55132 | Tursiops truncatus | 10/1/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:06.6 | 6 | Wideband recording, called 55-U. Feeding experiments involving echolocation capabilities. Good recording. |
| 55084 | Tursiops truncatus | 10/2/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.6 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 84 |
| 55085 | Tursiops truncatus | 10/2/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.5 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 85 |
| 55133 | Tursiops truncatus | 10/2/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:19.2 | 6 | Wideband recording, called 55-V. Feeding experiments involving echolocation capabilities. OK recording. |
| 55134 | Tursiops truncatus | 10/2/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:09.4 | 6 | Wideband recording, called 55-W. Feeding experiments involving echolocation capabilities. OK recording. |
| 55135 | Tursiops truncatus | 10/3/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:18.2 | 6 | Wideband recording, called 55-X. Feeding experiments involving echolocation capabilities. OK recording. |
| 55136 | Tursiops truncatus | 10/3/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:20.2 | 6 | Wideband recording, called 55-Y. Feeding experiments involving echolocation capabilities. OK recording. |

| 55137 | Tursiops truncatus | 10/3/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:19.1 | 6 | Wideband recording, called 55-Z. Feeding experiments involving |
|-------|-----------------------|------------|--|-----|------|---|---------|---|---|
| 55087 | Tursiops truncatus | 10/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.7 | 6 | echolocation capabilities. OK recording. Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 87 |
| 55088 | Tursiops truncatus | 10/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.3 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 88 |
| 55089 | Tursiops truncatus | 10/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:09.4 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 89 |
| 55090 | Tursiops truncatus | 10/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.4 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 90 |
| 55091 | Tursiops truncatus | 10/5/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:02.5 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 91 |
| 55092 | Tursiops truncatus | 10/5/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.3 | 6 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 92 |
| 55093 | Tursiops truncatus | 10/5/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 06:41.4 | 5 | Hearing and echolocation observations. Not much vocalization from the animal. Ambient of water splashes and equipment banging. Reel 93 |
| 55094 | Tursiops truncatus | 10/5/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 05:57.2 | 5 | Hearing and echolocation observations. Not much vocalization from the animal. Ambient of water splashes and equipment banging. Reel 94 |
| 55095 | Tursiops truncatus | 10/6/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:00.4 | 5 | Hearing and echolocation observations. Not much vocalization from the animal. Ambient of water splashes and equipment banging. Reel 95 |
| 55097 | Tursiops truncatus | 10/10/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:15.0 | 5 | Hearing and echolocation observations. No vocalization from the animal. Ambient of water in pond. Reel 97 |
| 56007 | Tursiops truncatus | 4/5/1956 | Marineland of the Pacific Aquarium, San Diego, CA | N33 | W117 | 1 | 08:12.2 | 4 | Gain is too high. Ambient is high. A few audible whistles. |

| 59008 | Tursiops truncatus | 7/3/1959 | Buzzards Bay, MA | N41 | W070 | 1 | 08:01.9 | 3 | Data and voice on Ch1. Hgh ambient of ship engine noise. No sounds detected. Poor recording. |
|-------|-----------------------|--|-----------------------------------|-----|------|---|---------|---|---|
| 59009 | Tursiops truncatus | 7/3/1959 | Buzzards Bay, MA | N41 | W070 | 1 | 05:15.7 | 3 | our data detected. Poor recording. Data and voice on Ch1. Hgh ambient of ship engine noise. No sounds detected. Poor recording. |
| 65027 | Tursiops truncatus | 10/19/1965 | Miami Seaquarium, Miami, FL | N25 | W080 | 1 | 32:30.9 | 5 | Introduction of a wild male to tank. Ambient is high. Whistles and clicks present. |
| 55086 | Tursiops truncatus | 10/3/1955 - 10/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:09.0 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 86 |
| 55138 | Tursiops truncatus | 10/3/1955 - 10/4/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 16:05.5 | 6 | Wideband recording, called 55-Z1. Feeding experiments involving echolocation capabilities. OK recording. |
| 61017 | Tursiops truncatus | 5/12/1961 - 5/13/1961; 5/17/1961 | Bimini, Bahamas | N25 | W077 | 1 | 08:16.1 | 3 | Overloaded data. ID's not the best. |
| 55032 | Tursiops truncatus | 8/20/1955 - 8/21/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:06.5 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 32 |
| 55039 | Tursiops truncatus | 8/21/1955; 8/28/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.9 | 8 | Hearing and echolocation observations. Good recording of whistles, clicks and click bursts. Exploring confined area. Ambient of water splashes and equipment banging. Reel 39 |
| 55050 | Tursiops truncatus | 8/29/1955; 8/19/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:03.7 | 7 | Hearing and echolocation observations. OK recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 50 |
| 55068 | Tursiops truncatus | 9/11/1955 - 9/12/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.6 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 68 |
| 55070 | Tursiops truncatus | 9/14/1955 - 9/15/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:07.8 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 70 |
| 55081 | Tursiops truncatus | 9/28/1955 - 9/29/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:10.3 | 7 | Hearing and echolocation observations. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 81 |

| 55083 | Tursiops truncatus | 9/29/1955 - 9/30/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:04.1 | 9 | Hearing and echolocation observations. Song by Schevill. Good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 83 |
|-------|---|-------------------------------------|--|----------|---------------|---|---------|---|--|
| 55062 | Tursiops truncatus | 9/6/1955 - 9/7/1955 | Nonamesset Is. pond, MA | N40 | W070 | 1 | 08:05.5 | 8 | Hearing and echolocation observations. Very good recording of clicks and click bursts. Ambient of water splashes and equipment banging. Reel 62 |
| 52067 | Tursiops truncatus (Annie); Crustacea snapping shrimp | 4/10/1952 | St. Augustine, FL | N30 | W081 | 1 | 16:25.0 | 7 | Snapping shrimp very loud. Very good recording of snapping shrimp. Tursiops sounds are few and faint. |
| 52068 | Tursiops truncatus (Annie); Crustacea snapping shrimp | 4/12/1952 | St. Augustine, FL | N30 | W081 | 1 | 16:08.2 | 3 | Feeding of "Annie". Overloaded recording. High ambient. Generator noise is loud. |
| 52069 | Tursiops truncatus (Annie); Crustacea snapping shrimp | 4/12/1952 | St. Augustine, FL | N30 | W081 | 1 | 16:06.3 | 5 | High ambient of snapping shrimp. Few, if any, Tursiops sounds. Good recording of snapping shrimp. |
| 52065 | Tursiops truncatus, Stenella frontalis | //1952 | Marine Studios, St. Augustine, FL | N30 | W081 | 1 | 03:32.2 | 7 | Aquarium recordings. Good recordings. |
| 56006 | Tursiops truncatus; Ambient | 4/1/1956 - 4/2/1956 | Marineland of the Pacific, San Diego, CA | N33 | W117 | 1 | 07:48.9 | 4 | Quite overloaded from pump noise. Whistles are audible over the loud ambient. |
| 56012 | Tursiops truncatus; Ambient | 4/5/1956 - 46/1956; 4/12/1956 | Marineland of the Pacific Aquarium, San Diego, CA; Quicks Hole Buoy, MA | N33; N40 | W117; W070 | 1 | 07:31.4 | 5 | Tape used for two different recording sessions. Gain is too high. Ambient is high for first recording in CA. The recording of the buoy is ok. |
| 51007 | Tursiops truncatus; Crustacea snapping shrimp | 3/20/1951 | Mouth of San Sebastian River, St. Augustine, FL | N30 | W081 | 1 | 08:08.4 | 3 | Outboard motor; Open mike; Phone held by hand in 1st half of tape; 1st half is less noisy than 2nd half. Much snapping shrimp |
| 51005 | Tursiops truncatus; Crustacea snapping shrimp | 3/20/1951 | Outer harbor of Marine Studios inlet, St. Augustine, FL | N30 | W081 | 1 | 08:06.0 | 4 | Outboard motor and Generator noise; Open mike; 3:16 minute mark to EOT is best. Much snapping shrimp |

| 51006 | Tursiops truncatus; Crustacea snapping shrimp | 3/20/1951 | Outer harbor of Marine Studios inlet, St. Augustine, FL | N30 | W081 | 1 | 08:08.6 | 4 | Outboard motor; Open mike; Much snapping shrimp |
|--|--|-----------|--|---------|---------|---|-----------|---|---|
| 61094 | Tursiops truncatus; Homo sapiens | 4//1961 | China Lake, CA | N35 | W117 | 1 | 17:39.566 | 5 | Copy of commentary from film, "Project Notty". USN tape. |
| 56008 | Tursiops truncatus; Lagenorhynchus obliquidens | 4/5/1956 | Marineland of the Pacific Aquarium, San Diego, CA | N33 | W117 | 1 | 08:11.5 | 4 | Gain is too high. Ambient is high. A few audible whistles from the Lags. Some Tursiops whistles are present also. |
| 56009 | Tursiops truncatus; Lagenorhynchus obliquidens | 4/5/1956 | Marineland of the Pacific Aquarium, San Diego, CA | N33 | W117 | 1 | 08:13.2 | 4 | Gain is too high. Ambient is high. A few audible whistles from the Lags. Some Tursiops whistles are present also. |
| 56010 | Tursiops truncatus; Lagenorhynchus obliquidens | 4/5/1956 | Marineland of the Pacific Aquarium, San Diego, CA | N33 | W117 | 1 | 07:43.2 | 4 | Gain is too high. Ambient is high. Lag and Tursiops whistles are present. Diver in the water with the animals. |
| 70026 | Uncertain; Ambient | 6/15/1970 | 9 mi. N Lonely, AK | N71 | W153 | 2 | 16:23.6 | 5 | Ambient of ice and wind. |
| 51043 | Uncertain; Balaenopteridae | 4/25/1951 | Sofar Station, Bermuda | N32 | W064 | 1 | 13:26.1 | 4 | Faint calls between 200 and 400 Hz |
| 56070 | Unknown | //1956 | unknown | unknown | unknown | 2 | 09:49.4 | 1 | Vibragram recordings. Henkel recordings |
| 63016 | Zalophus californianus, Eumetopias jubatus | 1/23/1963 | Bronx Zoo, N. Y. | unknown | unknown | 2 | 16:01.3 | 6 | Relatively quiet recording. Some water splashing. Sea lion barks. |
| 63017 | Zalophus californianus, Eumetopias jubatus | 1/23/1963 | Bronx Zoo, N. Y. | unknown | unknown | 2 | 16:15.0 | 7 | Relatively quiet recording. Some water splashing. Sea lion barks. |
| 63018 | Zalophus californianus, Eumetopias jubatus, Orcinus orca | //1963 | California | unknown | unknown | 1 | 36:20.0 | 2 | Poor recording. Overloaded. |
| No tapes number- ed 52059- 52062 | orou . | | | | | | | | |

Appendix 3: Prepare a preliminary report on the findings of $\underline{\text{Task 1 A}}$ and $\underline{\text{B}}$, identifying potential recordings for inclusion into web-based reference datasets. Reference Data Sets are recordings of animals that are definitively identified to species.

<u>Table A3-1.</u> Suggested Reference Data Sets of Marine Mammal Recordings

| Species | Date | Location | Recordist | Record Number |
|----------------------------|------------|---|-------------|------------------|
| | | Isla Robinson Crusoe, Juan | | |
| Arctocephalus phillippii | 11/3/1968 | Fernandes | K. Norris | 68032 |
| Balaena mysticetus | 4/6/1972 | Bering Strait | G. Bloom | 72021 |
| Balaenoptera acutorostrata | 11/22/1964 | Cape Crozier, Antarctica | W. Watkins | 64103 |
| Balaenoptera acutorostrata | 11/22/1964 | Cape Crozier, Antarctica | W. Watkins | 64104 |
| Balaenoptera acutorostrata | 1964 | Cape Crozier, Antarctica | W. Watkins | 64101-104 |
| Balaenoptera physalus | 1951 | Gulf of Maine | W. Watkins | 61040-042 |
| Balaenoptera physalus | 10/11/1978 | Cape Cod Bay, MA | W. Watkins | 78014 |
| Cephalorhynchus | | | | |
| commersonii | 1968 | Straits of Magellan, Chile | W. Watkins | 68027-030 |
| Cephalorhynchus | | Mystic Aquarium, Mystic, | | |
| commersonii | 1978 | CT | W. Watkins | 79016-017 |
| Cephalorhynchus eutropia | 1968 | Navarino Island, Chile Patanostra Bay, South | W. Watkins | 68022 |
| Cephalorhynchus heavisidii | 1975 | Africa | P. Best | 75015 |
| Cephalorhynchus hectori | 1964 | Kaikura, N. Z. | W. Watkins | 64129 |
| Cystophora cristata | 1963 | NY Aquarium, NY | W. Watkins | 63004-08 |
| Delphinapterus leucas | 6/8/1962 | Saguenay River, Quebec, CA | W. Watkins | 62026 |
| | | Saguenay River, Quebec, | | |
| Delphinapterus leucas | 1949 | CA | W. Schevill | 49001 |
| Delphinus bairdii | 1958 | Catalina Island, CA | W. Schevill | 58021 |
| Delphinus delphis | 8/12/1958 | New Jersey | W. Watkins | 58014 |
| Delphinus delphis | 1/30/1987 | Canary Islands | W. Watkins | 87003 |
| Delphinus delphis | 1961 | New Jersey | W. Schevill | 61030 |
| Erignathus barbatus | 5/8/1966 | St. Lawrence Island, AK | G. C. Ray | 66038 |
| Eubalaena australis | 8/1/1982 | Wamarnbool, Australia | W. Dawbin | 83002 |
| Eubalaena glacialis | 1956 | Martha's Vineyard, MA | Schleicher | 56016-018 |
| Eubalaena glacialis | 5/3/1974 | Cape Cod Bay, MA | W. Watkins | 74003 |
| | | Marine Studios, St. | | |
| Globicephala macrorhynchus | 1949 | Augustine, FL | W. Schevill | 57021 |
| Globicephala macrorhynchus | 11/23/1981 | Bequia | W. Watkins | 81037 |
| Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | W. Schevill | 54024 |
| Globicephala melaena | 1954 | Trinity Bay, Newfoundland | W. Schevill | 54006 |
| Globicephala scammoni | 1958 | Catalina Island, CA | W. Schevill | 58021 |
| Grampus griseus | 7/29/1959 | Virginia | W. Watkins | 59029 |
| Grampus griseus | 8/25/1985 | Selina, Italy | W. Watkins | 85009 |
| Grampus griseus | 1952 | New York | W. Schevill | 59030 |
| | | | | |

| | | | | 63001-2; 63007; |
|--|-------------------|---------------------------|--------------------------|--------------------|
| Halichoerus grypus | 1963 | NY Aquarium, NY | W. Watkins | 63011 |
| Hydrurga leptonyx | 1964 | Cape Crozier, Antarctica | W. Watkins | 64098 |
| Inia geoffrensis | 1956 | Silver Springs, FL | W. Schevill | 56048 |
| Kogia breviceps | 1956 | Palos Verdes, CA | D. Caldwell | Unassigned |
| Lagenodelphis hosei | 10/26/1991 | Dominica | W. Watkins | 91008 |
| Lagenorhynchus acutus | 4/25/1979 | Cape Cod Bay, MA | W. Watkins | 79004 |
| Lagenorhynchus acutus | 1954 | Cape Cod, MA | W. Schevill | 61072 |
| Lagenorhynchus albirostris | 5/2/1972 | Cape Cod Bay, MA | W. Watkins | 72005 |
| , | | Tictoc Bay and Puerto | | |
| Lagenorhynchus australis | 1968 | Palena, Chile | W. Watkins | 68009 |
| | | Marineland, Palos Verdes, | | |
| Lagenorhynchus obliquidens | 1956 | CA | W. Schevill | Unassigned |
| Lagenorhynchus obscurus | 1964 | Kaikura, N. Z. | W. Watkins | 64124 |
| Leptonychotes weddelli | 11/22/1964 | Cape Crozier, Antarctica | W. Watkins | 64106 |
| | | McMurdo Sound, | | |
| Leptonychotes weddelli | 11/4/1964 | Antarctica | W. Watkins | 64041 |
| X | 11/4/1064 | McMurdo Sound, | *** *** .1 * | 640.42 |
| Leptonychotes weddelli | 11/4/1964 | Antarctica | W. Watkins | 64042 |
| Megaptera novaeangliae | 1951 | Kaneohe, HI | W. Schevill | 51052 |
| Megaptera novaeangliae | 3/26/1963 1969 | Bermuda NE Florida | V. Colman D. Caldwell | 63019 |
| Mesoplodon densirostris Monodon monoceros | | | | Unassigned |
| | 1968 | Ellesmere Island, CA | G. C. Ray | 68002 |
| Odobenus rosmarus | 3/10/1972 | St. Lawrence Island, AK | G. C. Ray | 72020 |
| Odobenus rosmarus | 1963 | NY Aquarium, NY | W. Watkins | 63007 |
| Ommatophoca rossi | 1/9/1966 | Cape Adair, Antarctica | G. C. Ray | 66034 |
| Ommatophoca rossi | 1966 | Cape Adair, Antarctica | G. C. Ray | 66084-86 |
| Orcinus orca | 8/3/1960 | S of Martha's Vineyard | W. Watkins | 60026 |
| | | Vancouver, British | | |
| Orcinus orca | 8/16/1964 | Columbia | W. Watkins | 64020 |
| Peponocephala electra | 10/27/1991 | Dominica | W. Watkins | 91012 |
| Phoca fasciata | 1967 | St. Lawrence Island, AK | G. C. Ray | 67027;029 |
| Phoca groenlandica | 5/12/1967 | Gulf of St. Lawrence, CA | W. Schevill | 67008 |
| | | | | 63003; |
| Phoca groenlandica | 1963 | NY Aquarium, NY | W. Watkins | 63009 |
| | | | | 63005; |
| Phoca hispida | 1963 | NY Aquarium, NY | W. Watkins | 63009-10 |
| | | | | 63003; |
| Phoca largha | 1963 | NY Aquarium, NY | W. Watkins | 63009-10 |
| Phoca vitulina | 1960 | Naushon Island, MA | W. Watkins | 60015 |
| | | Deer Island, New | | |
| Phocoena phocoena | 9/8/1965 | Brunswick, CA | G. C. Ray | 65012 |
| Phocoena phocoena | 1958 | Cape Porpoise, ME | W. Watkins | 58023 |
| Phocoenoides dalli | 1965 | Pt. Mugu, CA | W. Evans | 65008 |
| Physeter catodon | 8/18/1985 | Malta | W. Watkins | 85004 |
| Physeter catodon | 8/18/1985 | Malta | W. Watkins | 85005 |
| Physeter catodon | 4/29/1987 | Dominica | W. Watkins | 87017 |
| Physeter catodon | 7/22/1988 | Ligurian Sea | W. Watkins | 88002 |

| Physeter catodon | 1952,61 | Gulf Stream, W N. Atlantic | Worthington | 52001;61027 |
|-----------------------|----------|----------------------------|-------------|-------------|
| Pseudorca crassidens | 1961 | New Jersey | W. Watkins | 61023 |
| Sotalia fluviatilis | 1966 | Niagara Falls Aquarium NY | W. Watkins | 66007-014 |
| | | Tweed Head Aquarium | | |
| Sousa plumbea | 1968 | Australia | W. Dawbin | 68038 |
| Stenella attenuata | 5/7/1994 | Dominica | W. Watkins | 94008 |
| | | Malaita Island, Solomon | | |
| Stenella attenuata | 1968 | Islands | W. Dawbin | 68035-37 |
| Stenella clymene | 1981 | St. Lucia | W. Watkins | 81024 |
| Stenella coeruleoalba | 1958 | New Jersey | W. Watkins | 58011-012 |
| | | Marine Studios, St. | | |
| Stenella frontalis | 1949 | Augustine, FL | W. Schevill | 49013-20 |
| Stenella longirostris | 5/9/1971 | Kealakekua Bay, Hawaii | W. Watkins | 71010 |
| Stenella longirostris | 1970 | Kealakekua Bay, Hawaii | K. Norris | 70019 |
| Steno bredanensis | 9/4/1985 | Kealakekua Bay, Hawaii | W. Watkins | 85013 |
| | | Tweed Head Aquarium | | |
| Tursiops truncatus | 1961 | Australia | J. Moulton | 61091-93 |
| | | Marine Studios, St. | | |
| Tursiops truncatus | 1949 | Augustine, FL | W. Schevill | 51041 |

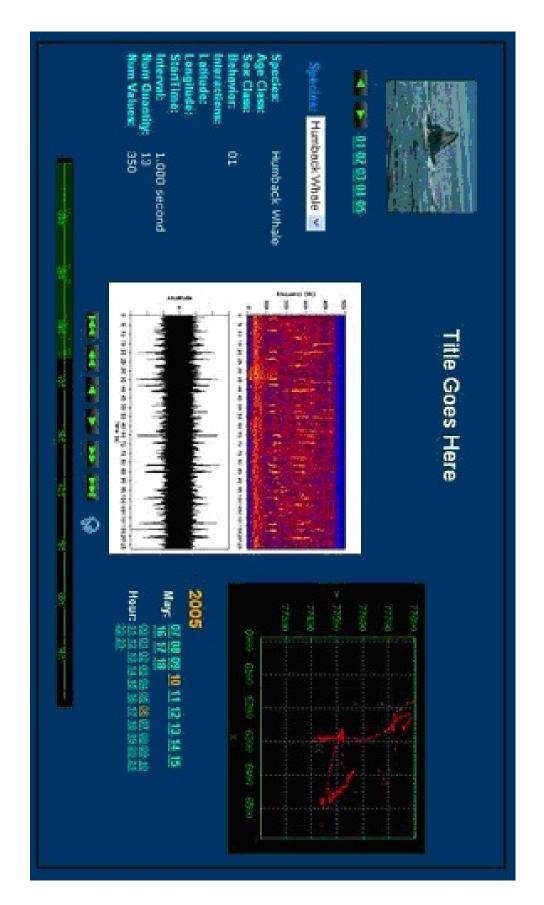
Appendix 4: Identify and review web-accessible archives of marine mammal sounds. Assess web page formats including choices of displaying.

Milestone: May 2008

Two web-accessible sound "libraries". MobySound (http://hmsc.oregonstate.edu/projects/MobySound) sponsored by Dr. David K. Mellinger of Oregon State University and the Macaulay Library of the Cornell Laboratory of Ornithology at Cornell University (http://www.birds.cornell.edu/macaulaylibrary/), were identified and reviewed as models for the WHOI web sound library. MobySound is a freely accessible collection of vetted datasets of marine mammal vocalizations. The website was designed as a reference tool for researchers interested in the detection and automatic recognition of marine mammal sounds. Metadata for each sound file in MobySound includes: species vocalizing, geographic location of recording, sound speed profile, hydrophone depth, date and time of recording, recording gear, sampling rate of the recorded sound, SNR of recording and the copyright information of the recording. The Macaulay Library is more of a "library" in the traditional sense, containing sound collections recorded by individual researchers during their entire career. The searchable metadata fields include species vocalizing, geographic location of recording, hydrophone depth, date and time of recording, recording gear, sampling rate of the recorded sound, and the name and affiliation of the recordist.

Upon review of these web-accessible collections and their operational philosophies, a potential web page design for the WHOI sound collection is proposed. Figure A4-1 is a mock-up of a proposed web page for the marine mammal sound web database. Possible web page components for a digitized database are: pull-down list of marine animal species with common names and scientific names, pull-down list of dates of recordings, interactive window for playing and viewing waveform and spectrograms of animal vocalizations, and a ship track or map showing latitude and longitude location of acoustic recording. Metadata for each recording will include species, behavioral activity, number of animals, observation date, geographic location, recording conditions (weather, wind, etc), recording gear, recording platform (ship, shore, ice, aquarium, etc), quality of

recording (signal strength), signal type (whistle, click, pulsed bursts, etc), sample rate of sound cut, duration of sound cut, number of channels recorded, etc. This web page is based upon a WHOI designed web-based application built using the "GeoBrowser Technologies."



Appendix 5: Prepare a final report on the content and quality of recordings of the Watkins marine mammal sound library. Discuss the feasibility of creating a universally accessible web-based archive. Include preliminary cost estimates for creating and maintaining a web-based archive.

Milestone: August 2008

A Study on the Feasibility of Creating a Web-Accessible Marine Mammal Sound Library Based upon the Collections at the Woods Hole Oceanographic Institution

Abstract

A universally accessible web-based marine mammal call library using the recordings collected over the years by William Schevill and William Watkins creates an opportunity for scientific studies requiring dependable reference datasets of sounds produced by a species in a defined geographic region during specific seasons. The WHOI Bioacoustics Lab under the direction of Schevill and Watkins recorded more than 90 species of marine animals resulting in approximately 2000 unique recordings. Metadata, organized and stored in stand-alone PCs, already exists for each of these recordings. In addition, these recordings are backed up by a reference library of more than 9000 selected papers (Watkins et al. 1990).

This study presents an assessment of the contents of this marine mammal acoustic collection, recommendations for species-specific reference datasets and potential architecture for a web-based library.

Introduction

As environmental laws are created by governments to protect and maintain our oceans,

the U.S. Navy must discover new ways to conduct its operations, engage in research and maintain its military status while remaining in compliance with these laws. In particular, the Endangered Species Act (1973) and the Marine Mammal Protection Act (1972) have explicit regulations regarding naval activities that may occur in the presence of marine mammals. For this reason, it is important for the Navy to confidently know when and where to schedule its exercises so as to minimize any potential impacts upon marine mammals. Thus, for the past decade, the ability to monitor and predict the presence of marine mammals has been an ongoing topic of Naval sponsored research (Redfern et al. 2006, Watkins et al. 2000a, 2000b). Underwater acoustic detection methods, especially automated systems, have been developing rapidly in recent years due in part to their advantageous ability to monitor marine mammals regardless of environmental conditions. Ocean ambient sounds mixed with sounds that may or may not be produced by marine mammals are being recorded daily by the U.S. Navy (Clark 1994, Nishimura and Conlon 1994, Watkins et al. 1997) and other government agencies (Barlow and Taylor 1998, Fox et al. 2001). These hours of recordings are not useful for the identification of marine mammals without reference datasets with which to compare. The automation of detecting marine mammal species will require new databases that will provide consistent benchmarks on which to test and compare recognition methods. Free access to a database of oceanic acoustic data will be beneficial to the Navy and to researchers and educators worldwide. A marine mammal call archive provides researchers with a repertoire of species' vocalizations which may be compared to unidentified recordings. Researchers of bird song have realized that archived recordings are extremely valuable for research and education beyond the individual investigator's uses, and have recommended development of tape archives (Bradbury et al. 1999).

The creation of a universally accessible web-based marine mammal call archive using the WHOI Bioacoustics Lab's Marine Mammal Library creates an opportunity for many kinds of scientific studies, particularly those requiring a dependable reference dataset of sounds produced by a species in a defined geographic region during specific seasons. The WHOI Bioacoustics Lab under the direction of Schevill and Watkins recorded more than 90 species of marine animals resulting in approximately 2000 unique recordings. The primary recordings from these species now form a research sound library of about 6000 recordings, in addition to digital sound files organized in databases of more than 20,000 annotated files (Watkins *et al.* 1992). These are backed up by a reference library of more than 9000 selected papers (Watkins *et al.* 1990).

The WHOI library of marine mammal sounds would be an important resource for the ocean research community and would provide the largest and most comprehensive collection of marine animal sounds – primary underwater recordings, annotated digital sound files, organized data search and retrieval systems, relevant literature, and data logs. Most importantly, it would provide recordings definitively identified to species at known locations, times of year, and sometimes age/sex class.

History and Taxonomic Breadth of the Woods Hole Oceanographic Institution's Bioacoustics Sound Library

The pioneer in marine mammal acoustic behavior was WHOI's William E. Schevill. Schevill started the field of marine mammal bioacoustics at WHOI just after WWII. The first scientific recordings of the sounds of any cetaceans were made by

Schevill and his wife, Barbara Lawrence, when they recorded the underwater calls of the beluga, *Delphinapterus leucas*, in the Saguenay River, Quebec, in 1948 (Schevill and Lawrence 1949). These early recordings were made with a WHOI-built Rochelle-salt crystal hydrophone and were captured on a wax disk using a Gray Audograph Dictaphone and later transferred to a 78-RPM phonograph disk (Schevill and Lawrence 1950).

Schevill and Lawrence also were the first to investigate hearing and sound production in the bottlenose dolphin, *Tursiops truncatus*. They demonstrated that these animals used their sounds for echolocation and food finding (Schevill and Lawrence 1956). Schevill and William Watkins were the first to publish a data collection of marine mammal sounds, a LP record album, "Whale and Porpoise Voices," containing the first recordings of underwater sounds from eighteen species of marine mammals (Schevill and Watkins 1962). Other early sound publications also sometimes included phonograph recordings with the journal, such as the sounds from the walrus, *Odobenus rosmarus*, published by Schevill, Watkins and Ray (1966), and bearded seal, *Erignathus barbatus*, published by Ray, Watkins and Burns in 1969.

In addition to biological sound data from the work of WHOI researchers, other prominent researchers (Kenneth Norris, G. Carleton Ray, Donald Griffin, Melba and David Caldwell, James Johnson, Thomas Poulter, etc.) have contributed their own scientific field recordings to the sound library, increasing the taxonomic breadth of the WHOI Bioacoustics Sound Library. (See Table A5-1 for a list of species represented in the Library.) Non-biological oceanic acoustic data have also been organized and added to the sound library (ice noise, storm and wave effects, geological sounds, ship

signatures, hydrodynamic sound, etc). These ambient recordings of the ocean environment are invaluable to researchers who are studying the apparently increasing level of "noise" in the world's oceans.

The WHOI Bioacoustics Sound Library is the largest and most diverse archive of marine animal recordings in existence. For over six decades, the WHOI Bioacoustic lab had recorded more than 90 species of marine animals worldwide. Positively identified species from geographic regions ranging from the Arctic to the Antarctic and from Japan to Cape Cod were recorded by Schevill and Watkins (Figure A5-1).

• • •

Figure A5-1. Geographic Locations of Schevill and Watkins Marine Mammal Recordings



According to a review by Watkins and Wartzok (1985) listing the first recordings of various marine mammal species and their accompanying publications, the very first recordings of fifty-one species of marine mammals are housed here, making this an invaluable Voucher Collection, the first positively identified recordings made of a particular species (Table A5-2).

Reference Data Sets

An initial review of the library of marine animal recordings has been completed. Contained in this library are recordings which have been definitively identified to species at known locations, times of year, and sometimes age/sex class. These benchmark reference datasets with their associated metadata represent the next step in the evolution of marine mammal acoustic classifiers. Suggested Reference Datasets of approximately 100 recordings for 55 species of marine mammals are listed in Table A5-3.

Curation and Digitization of Recorded Media

The recordings cover the years from the 1930s to the early 2000s. The recordings range from 1- 4 channels with a bandwidth ranging from 0 - 100 kHz. To date, approximately 1,000 analog recordings have been digitized with a sample rate of 192 kHz, a standard that has been agreed upon by other marine mammal acoustic researchers.

The recordings are in need of preservation. Since the life-span of reel-reel media is estimated to be 10 - 40 years, the best long-term preservation method is to make digital copies of the analog media (Council on Library and Information Resources and the Library of Congress 2006). Time is of the essence with regards to tape media. Some of

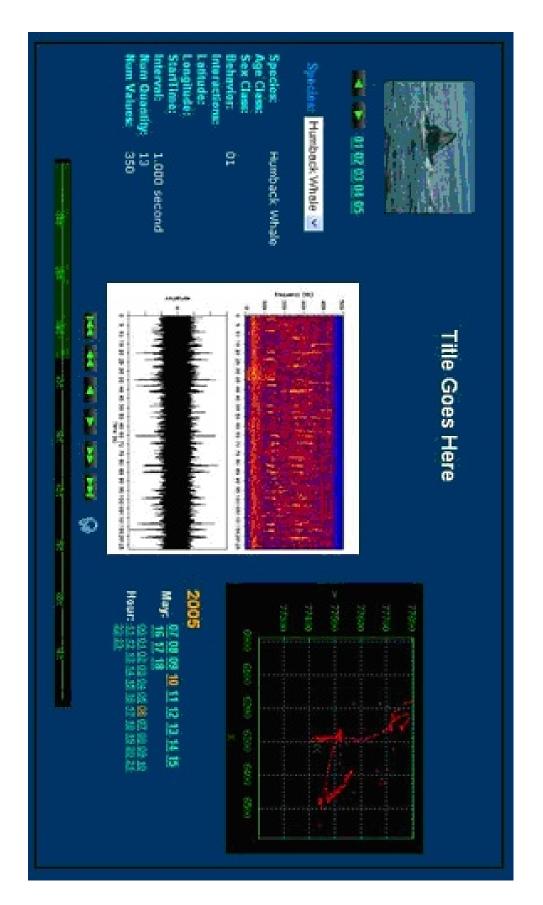
these recordings only exist on the original reel-reel tape that was used by the recordist. The tapes are located in an environmentally-controlled vault at the Woods Hole Oceanographic Institution. The Institution recognizes the scientific value of the collection and is committed to housing these data long-term in suitable facilities. The WHOI Bioacoustics Sound Lab is one of the few remaining facilities in the world that is capable of playing all recorded media. The required recording/playback equipment is fully functional and is maintained by WHOI personnel with over twenty years of experience in handling analog and digital marine animal acoustic recordings.

Web-based Library

Once these unique recordings have been digitized, and stored appropriately for a long-term archive, the data must be placed on the web in such a way that investigators, educators, students, and the public are able to: (1) freely and easily access and listen to acoustic samples from marine mammals, (2) observe spectrograms and other visual representations of these acoustic samples, (3) place these samples in a geographic and temporal context and be able to easily find related acoustic samples with the use of space, time, and keyword navigation tools incorporated into the web pages.

A web-based application could be built using the "GeoBrowser Technologies" that have been designed and developed at the Woods Hole Oceanographic Institution over the past nine years (Lerner and Maffei 2001). This technology has been successfully used by WHOI scientists to handle the vast volumes of digital video and camera data generated by ocean exploratory vehicles. The GeoBrowser tool enables scientists and educators to access an entire digital library from a laptop computer. It is

expected that a tool supporting these functions will be of significant benefit to marine mammal scientists, educators and students who require vetted acoustic marine mammal data. Figure A5-2 is a computer screen-shot example of a marine animal vocalization and its associated metadata as accessed from a web-based library of reference data sets.



A web-accessible database could be modeled after the PC database that has been in use in the WHOI Bioacoustic Lab since 1990 (Watkins *et al.* 1992). Possible web page components for a digitized database are: pull-down list of marine animal species with common names and scientific names, pull-down list of dates of recordings, interactive window for playing and viewing waveform and spectrograms of animal vocalizations, and a ship track or map showing latitude and longitude location of acoustic recording. Metadata for each recording will include species, behavioral activity, number of animals, observation date, geographic location, recording conditions (weather, wind, etc), recording gear, recording platform (ship, shore, ice, aquarium, etc), quality of recording (signal strength), signal type (whistle, click, pulsed bursts, etc), sample rate of sound cut, duration of sound cut, number of channels recorded, etc.

Hardware and Software for Database

The following is the recommended state-of the-art computer configuration for serving and storing the proposed web-accessible database. The estimated disk-space would provide one with a total of 12TB of raw disk space. (Usable space after formatting and RAID would be around 9TB.) The Sun x4100 is a 1U rack mount server from Sun Microsystems. It would provide the file sharing and management of the database storage. It is also considered as an ideal web server. The second item is the Promise VTrak disk array. It holds up to 12 SATA disks and is what provides the actual disk storage. The third item is a Serial Attach SCSI (SAS) host bus adapter and is the interface card that connects the server to the disk array. Both the disk array and file server have dual redundant power supplies and hot swappable disks. (The system would continue to run

even if a power supply or disk fails.)

I've listed 6 disks at \$140 each. This is an estimate of disk space required for a total raw capacity of 6TB, which would yield about 4TB after formatting and RAID. One can always add more drives later.

Itemized Hardware

Sun Fire X4100 M2 x64 Server: 2x AMD Opteron Model 2216 (2.4GHz/1MB)

processor with 4x1GB PC2-5300 DDR2-667 memory, 2x 73GB HDD, DVD-

ROM/CDRW, 2x High Efficiency PSU, Service Processor, 4x 10/100/1000 Ethernet

ports, 3x USB 2.0 ports, 2x 8-lane PCI-E slots

No power cord, order Geo-specific Xoption Standard Configuration. RoHS-5 =

\$2895

Promise VTrak J310sS - hard drive array = \$2595

Sun StorageTek SAS Host Bus Adapter - PCIe =\$550

1TB SATA II Disks - 6@\$140 = \$840

Hardware Total: \$7996

WHOI Rack Space (includes conditioned power and cooling): $$350/U \times 3 = 1050

WHOI Network Connection: \$235

Four hours labor for racking and initial configuration: \$220

Total: \$8395

WHOI, recognizing the importance of universally web-accessible databases, hosts many scientific and educational databases in all fields of ocean sciences. WHOI already

possesses the cyber-infrastructure which is designed to support the processes of data collection and data lifecycle management.

Conclusion

Digital databases offer particularly efficient mechanisms for storing and disseminating audio information along with associated metadata. A database such as what is herein described will help enable the marine mammal acoustic field to grow into one where investigators and educators can specialize in different phases of collection and analysis of standardized datasets.

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<u>Table A5-1.</u> Marine Mammal Recordings in the WHOI Bioacoustic Sound Library

| Species | Number of Indexed Lots |
|-----------------------------|---------------------------|
| Arctocephalus philippii | 1 |
| Arctocephalus townsendii | 1 |
| Balaena mysticetus | 35 |
| Balaenoptera acutorostrata | 23 |
| Balaenoptera borealis | 7 |
| Balaenoptera edeni | 1 |
| Balaenoptera musculus | 10 |
| Balaenoptera physalus | 141 |
| Callorhinus ursinus | 3 |
| Caperea marginata | 1 |
| Cephalorhynchus commersonii | 6 |
| Cephalorhynchus heavisidii | 1 |
| Cystophora cristata | 3 |
| Delphinapterus leucas | 47 |
| Delphinus bairdii | 9 |
| Delphinus capensis | 1 |
| Delphinus delphis | 21 |
| Enhydra lutris | 3 |
| Erignathus barbatus | 35 |
| Eschrichtius robustus | 9 |
| Eubalaena australis | 3 |
| Eubalaena glacialis | 53 |
| Eumetopia jubatus | 7 |
| Globicephala melaena | 63 |
| Globicephala macrorhynchus | 33 |
| Globicephala scammoni | 14 |
| Grampus griseus | 48 |
| Halichoerus grypus | 7 |
| Hydrurga leptonyx | 13 |
| Inia geoffrensis | 34 |
| Lagenodelphis hosei | 8 |
| Lagenorhynchus australis | 10 |
| Lagenorhynchus obscurus | 4 |
| Lagenorhynchus acutus | 24 |
| Lagenorhynchus obliquidens | 6 |
| Leptonychotes weddelli | 158 |
| Lobodon carcinophagus | 4 |

| Megaptera novaeangliae | 159 |
|--------------------------------|-----|
| Mirounga angustirostris | 3 |
| Monodon monoceros | 5 |
| Mustelidae (Asian river otter) | 1 |
| Neophoca cinerea | 1 |
| Neophocaena phocaenoides | 5 |
| Odobenus rosmarus | 36 |
| Ommatophoca rossi | 15 |
| Orcinus orca | 101 |
| Otaria flavescens | 6 |
| Peponocephala electra | 4 |
| Phoca fasciata | 8 |
| Phoca groenlandica | 24 |
| Phoca hispida | 8 |
| Phoca largha | 5 |
| Phoca vitulina | 9 |
| Phocoena phocoena | 11 |
| Phocoenoides dalli | 6 |
| Physeter catodon | 472 |
| Pseudorca crassidens | 17 |
| Sotalia borneensis | 10 |
| Stenella attenuata | 22 |
| Stenella coeruleoalba | 28 |
| Stenella frontalis | 30 |
| Stenella longirostris | 16 |
| Steno bredanensis | 4 |
| Trichechus manatus | 9 |
| Tursiops catalania | 3 |
| Tursiops truncatus | 242 |
| Zalophus californianus | 12 |
| Ziphius cavirostris | 1 |
| | |

<u>Table A5-2.</u> Voucher Recordings of Marine Mammal Vocalizations

| Species | Geographic Region | Date | RN | Recordist |
|--|------------------------------|------|-----------------------------|---------------------------------------|
| Arctocephalus phillippii | Isla Robinson Crusoe | 1968 | 68032 72021; | K. Norris |
| Balaena mysticetus | Bering Strait | 1971 | 78025 | G. Bloom |
| Balaenoptera acutorostrata | Cape Crozier, Antarctica | 1964 | 64101-104 | W. Watkins |
| Balaenoptera physalus Cephalorhynchus | Gulf of Maine | 1951 | 61040-042 | W. Watkins |
| commersonii Cephalorhynchus | Straits of Magellan, Chile | 1968 | 68027-030 | W. Watkins |
| commersonii | Mystic Aquarium, Mystic, CT | 1978 | 79016-017 | W. Watkins |
| Cephalorhynchus eutropia | Navarino Island, Chile | 1968 | 68022 | W. Watkins |
| Cephalorhynchus heavisidii | Patanostra Bay, South Africa | 1975 | 75015 | P. Best |
| Cephalorhynchus hectori | Kaikura, N. Z. | 1964 | 64129 63004; 63006; | W. Watkins |
| Cystophora cristata | NY Aquarium, NY | 1963 | 63008 | W. Watkins |
| Delphinapterus leucas | Saguenay River, Quebec, CA | 1949 | 49001 | W. Schevill |
| Delphinus bairdii | Catalina Island, CA | 1958 | 58021 | W. Schevill |
| Delphinus delphis | New Jersey | 1961 | 61030 | W. Schevill K. |
| Eubalaena glacialis | Martha's Vineyard, MA | 1956 | 56016-018 | Schleicher |
| Globicephala macrorhynchus | Marine Studios, FL | 1949 | 57021 | W. Schevill |
| Globicephala melaena | Trinity Bay, Newfoundland | 1954 | 54006 | W. Schevill |
| Globicephala scammoni | Catalina Island, CA | 1958 | 58021 | W. Schevill |
| Grampus griseus | New York | 1952 | 59030 63001-2; 63007; | W. Schevill |
| Halichoerus grypus | NY Aquarium, NY | 1963 | 63011 | W. Watkins |
| Hydrurga leptonyx | Cape Crozier, Antarctica | 1964 | 64098 | W. Watkins |
| Inia geoffrensis | Silver Springs, FL | 1956 | 56048 | W. Schevill |
| Kogia breviceps | Palos Verdes, CA | 1956 | Unk. | D.Caldwell |
| Lagenorhynchus acutus | Cape Cod, MA | 1954 | 61072 | W. Schevill |
| Lagenorhynchus australis | Tictoc Bay, Chile | 1968 | Unk. | W. Watkins |
| Lagenorhynchus obliquidens | Marineland, Palos Verdes, CA | 1956 | Unk. | W. Schevill |
| Lagenorhynchus obscurus | Kaikura, N. Z. | 1964 | Unk. | W. Watkins |
| Megaptera novaeangliae | Kaneohe, HI | 1951 | Unk. | W. Schevill |
| Mesoplodon densirostris | NE Florida | 1969 | Unk. | D. Caldwell |
| Monodon monoceros | Ellesmere Island, CA | 1968 | 68002 | G. C. Ray |
| Odobenus rosmarus | NY Aquarium, NY | 1963 | 63007 | W. Watkins |
| Ommatophoca rossi | Cape Adair, Antarctica | 1966 | 66084-86 | G. C. Ray |
| Phoca fasciata | St. Lawrence Island, AK | 1967 | 67027;029 63003; | G. C. Ray |
| Phoca groenlandica | NY Aquarium, NY | 1963 | 63009 63005; | W. Watkins |
| Phoca hispida | NY Aquarium, NY | 1963 | 63009-10 63003; | W. Watkins |
| Phoca largha | NY Aquarium, NY | 1963 | 63003; | W. Watkins |
| Phoca vitulina | Naushon Island, MA | 1960 | 60015 | W. Watkins |
| 2.100m resettion | | 1700 | 00015 | · · · · · · · · · · · · · · · · · · · |

| Phocoena phocoena | Cape Porpoise, ME | 1958 | 58023 | W. Watkins |
|-----------------------|----------------------------|---------|-------------|-------------|
| Phocoenoides dalli | Pt. Mugu, CA | 1965 | 65008 | W. Evans |
| Physeter catodon | Gulf Stream, W N. Atlantic | 1952,61 | 52001;61027 | Worthington |
| Pseudorca crassidens | New Jersey | 1961 | 61023 | W. Watkins |
| Sotalia fluviatilis | Niagara Falls Aquarium NY | 1966 | 66007-014 | W. Watkins |
| | Tweed Head Aquarium | | | |
| Sousa plumbea | Australia | 1968 | 68038 | W. Dawbin |
| | Malaita Island, Solomon | | | |
| Stenella attenuata | Islands | 1968 | 68035-37 | W. Dawbin |
| Stenella clymene | St. Lucia | 1981 | 81024 | W. Watkins |
| Stenella coeruleoalba | New Jersey | 1958 | 58011-012 | W. Watkins |
| Stenella frontalis | Marine Studios, FL | 1949 | 49013-20 | W. Schevill |
| Stenella longirostris | Kealakekua Bay, Hawaii | 1970 | 70019 | K. Norris |
| | Tweed Head Aquarium | | | |
| Tursiops catalania | Australia | 1961 | 61091-93 | J. Moulton |
| Tursiops truncatus | Marine Studios, FL | 1949 | 51041 | W. Schevill |

<u>Table A5-3.</u> Reference Data Sets of Marine Mammal Recordings

| Species | Date | Location | Recordist | Record Number |
|---|--------------|---|--------------------------|------------------|
| Species | Date | Isla Robinson Crusoe, Juan | Recordist | Number |
| Arctocephalus phillippii | 11/3/1968 | Fernandes | K. Norris | 68032 |
| Balaena mysticetus | 4/6/1972 | Bering Strait | G. Bloom | 72021 |
| Balaenoptera acutorostrata | 11/22/1964 | Cape Crozier, Antarctica | W. Watkins | 64103 |
| Balaenoptera acutorostrata | 11/22/1964 | Cape Crozier, Antarctica | W. Watkins | 64104 |
| Balaenoptera acutorostrata | 1964 | Cape Crozier, Antarctica | W. Watkins | 64101-104 |
| Balaenoptera physalus | 1951 | Gulf of Maine | W. Watkins | 61040-042 |
| Balaenoptera physalus | 10/11/1978 | Cape Cod Bay, MA | W. Watkins | 78014 |
| Cephalorhynchus | | 1 37 | | |
| commersonii | 1968 | Straits of Magellan, Chile | W. Watkins | 68027-030 |
| Cephalorhynchus | | Mystic Aquarium, Mystic, | | |
| commersonii | 1978 | CT | W. Watkins | 79016-017 |
| Cephalorhynchus eutropia | 1968 | Navarino Island, Chile Patanostra Bay, South | W. Watkins | 68022 |
| Cephalorhynchus heavisidii | 1975 | Africa | P. Best | 75015 |
| Cephalorhynchus hectori | 1964 | Kaikura, N. Z. | W. Watkins | 64129 |
| Cystophora cristata | 1963 | NY Aquarium, NY Saguenay River, Quebec, | W. Watkins | 63004-08 |
| Delphinapterus leucas | 6/8/1962 | CA Saguenay River, Quebec, | W. Watkins | 62026 |
| Delphinapterus leucas | 1949 | CA | W. Schevill | 49001 |
| Delphinus bairdii | 1958 | Catalina Island, CA | W. Schevill | 58021 |
| Delphinus delphis | 8/12/1958 | New Jersey | W. Watkins | 58014 |
| Delphinus delphis | 1/30/1987 | Canary Islands | W. Watkins | 87003 |
| Delphinus delphis | 1961 | New Jersey | W. Schevill | 61030 |
| Erignathus barbatus | 5/8/1966 | St. Lawrence Island, AK | G. C. Ray | 66038 |
| Eubalaena australis | 8/1/1982 | Wamarnbool, Australia | W. Dawbin | 83002 |
| Eubalaena glacialis | 1956 | Martha's Vineyard, MA | Schleicher | 56016-018 |
| Eubalaena glacialis | 5/3/1974 | Cape Cod Bay, MA | W. Watkins | 74003 |
| | | Marine Studios, St. | | |
| Globicephala macrorhynchus | 1949 | Augustine, FL | W. Schevill | 57021 |
| Globicephala macrorhynchus | 11/23/1981 | Bequia | W. Watkins | 81037 |
| Globicephala melaena | 7/18/1954 | Trinity Bay, Newfoundland | W. Schevill | 54024 |
| Globicephala melaena | 1954 | Trinity Bay, Newfoundland | W. Schevill | 54006 |
| Globicephala scammoni | 1958 | Catalina Island, CA | W. Schevill | 58021 |
| Grampus griseus | 7/29/1959 | Virginia | W. Watkins | 59029 |
| Grampus griseus | 8/25/1985 | Selina, Italy | W. Watkins | 85009 |
| Grampus griseus | 1952 | New York | W. Schevill | 59030 |
| | | | | 63001-2; |
| Haliohoomus ammus | 1063 | NV Aquerium NV | W Watting | 63007; |
| Halichoerus grypus Hydrurga leptonyx | 1963 1964 | NY Aquarium, NY Cape Crozier, Antarctica | W. Watkins W. Watkins | 63011 64098 |
| Inia geoffrensis | 1964 1956 | Silver Springs, FL | W. Watkins W. Schevill | 56048 |
| Kogia breviceps | 1956 | Palos Verdes, CA | D. Caldwell | unassigned |
| Lagenodelphis hosei | 10/26/1991 | Dominica | W. Watkins | 91008 |
| Lagenorhynchus acutus | 4/25/1979 | Cape Cod Bay, MA | W. Watkins | 79004 |
| | ., =0, 17 17 | | acitiis | .,,,,,,, |

| Lagenorhynchus acutus | 1954 | Cape Cod, MA | W. Schevill | 61072 |
|--|----------------------|---|---------------------------------------|----------------------|
| Lagenorhynchus albirostris | 5/2/1972 | Cape Cod, MA Cape Cod Bay, MA | W. Watkins | 72005 |
| Lagenormymentus atomosmus | 3/2/17/2 | Tictoc Bay and Puerto | · · · · · · · · · · · · · · · · · · · | , 2003 |
| Lagenorhynchus australis | 1968 | Palena, Chile | W. Watkins | 68009 |
| | | Marineland, Palos Verdes, | | |
| Lagenorhynchus obliquidens | 1956 | CA | W. Schevill | unassigned |
| Lagenorhynchus obscurus | 1964 | Kaikura, N. Z. | W. Watkins | 64124 |
| Leptonychotes weddelli | 11/22/1964 | Cape Crozier, Antarctica | W. Watkins | 64106 |
| • | | McMurdo Sound, | | |
| Leptonychotes weddelli | 11/4/1964 | Antarctica | W. Watkins | 64041 |
| T | 11/4/1064 | McMurdo Sound, | XX7 XX7 .1.* | 64040 |
| Leptonychotes weddelli | 11/4/1964 | Antarctica Kanada III | W. Watkins | 64042 |
| Megaptera novaeangliae | 1951 | Kaneohe, HI | W. Schevill | 51052 |
| Megaptera novaeangliae | 3/26/1963 1969 | Bermuda NE Florida | V. Colman D. Caldwell | 63019 |
| Mesoplodon densirostris Monodon monoceros | 1969 | Ellesmere Island, CA | G. C. Ray | unassigned 68002 |
| | | | · | |
| Odobenus rosmarus | 3/10/1972 | St. Lawrence Island, AK | G. C. Ray | 72020 |
| Odobenus rosmarus | 1963 | NY Aquarium, NY | W. Watkins | 63007 |
| Ommatophoca rossi | 1/9/1966 | Cape Adair, Antarctica | G. C. Ray | 66034 |
| Ommatophoca rossi | 1966 | Cape Adair, Antarctica | G. C. Ray | 66084-86 |
| Orcinus orca | 8/3/1960 | S of Martha's Vineyard | W. Watkins | 60026 |
| 0 . | 0/16/1064 | Vancouver, British | *** *** .1 * | C 4000 |
| Orcinus orca | 8/16/1964 | Columbia | W. Watkins | 64020 |
| Peponocephala electra | 10/27/1991 | Dominica | W. Watkins | 91012 |
| Phoca fasciata | 1967 | St. Lawrence Island, AK | G. C. Ray | 67027;029 |
| Phoca groenlandica | 5/12/1967 | Gulf of St. Lawrence, CA | W. Schevill | 67008 |
| | | | | 63003; |
| Phoca groenlandica | 1963 | NY Aquarium, NY | W. Watkins | 63009 |
| | | | | 63005; |
| Phoca hispida | 1963 | NY Aquarium, NY | W. Watkins | 63009-10 |
| D | 10.52 | | *** | 63003; |
| Phoca largha | 1963 | NY Aquarium, NY | W. Watkins | 63009-10 |
| Phoca vitulina | 1960 | Naushon Island, MA | W. Watkins | 60015 |
| DI I | 0/0/1065 | Deer Island, New | | c5010 |
| Phocoena phocoena | 9/8/1965 | Brunswick, CA | G. C. Ray | 65012 |
| Phocoena phocoena | 1958 | Cape Porpoise, ME | W. Watkins | 58023 |
| Phocoenoides dalli | 1965 | Pt. Mugu, CA | W. Evans | 65008 |
| Physeter catodon | 8/18/1985 | Malta | W. Watkins | 85004 |
| Physeter catodon | 8/18/1985 | Malta | W. Watkins | 85005 |
| Physeter catodon | 4/29/1987 | Dominica Linearing Second | W. Watkins | 87017 |
| Physeter catodon Physeter catodon | 7/22/1988 1952,61 | Ligurian Sea Gulf Stream, W N. Atlantic | W. Watkins Worthington | 88002 52001;61027 |
| Pseudorca crassidens | 1952,01 | New Jersey | W. Watkins | 61023 |
| Sotalia fluviatilis | 1966 | • | W. Watkins W. Watkins | 66007-014 |
| Somma juviminis | 1700 | Niagara Falls Aquarium NY | vv. vv atkills | 00007-014 |
| Sousa plumbea | 1968 | Tweed Head Aquarium Australia | W. Dawbin | 68038 |
| Stenella attenuata | 5/7/1994 | Dominica | W. Watkins | 94008 |
| женени инстиши | J1111774 | Malaita Island, Solomon | w. watkins |) 1 000 |
| Stenella attenuata | 1968 | Islands | W. Dawbin | 68035-37 |
| 2.2.70 mor controlled | 1700 | 20201100 | | 30035 31 |

| Stenella clymene | 1981 | St. Lucia | W. Watkins | 81024 |
|-----------------------|----------|----------------------------------|-------------|-----------|
| Stenella coeruleoalba | 1958 | New Jersey | W. Watkins | 58011-012 |
| | | Marine Studios, St. | | |
| Stenella frontalis | 1949 | Augustine, FL | W. Schevill | 49013-20 |
| Stenella longirostris | 5/9/1971 | Kealakekua Bay, Hawaii | W. Watkins | 71010 |
| Stenella longirostris | 1970 | Kealakekua Bay, Hawaii | K. Norris | 70019 |
| Steno bredanensis | 9/4/1985 | Kealakekua Bay, Hawaii | W. Watkins | 85013 |
| Tursiops truncatus | 1961 | Tweed Head Aquarium Australia | J. Moulton | 61091-93 |
| | | Marine Studios, St. | | |
| Tursiops truncatus | 1949 | Augustine, FL | W. Schevill | 51041 |

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